

SITE INFORMATION

Report Type: Closure Report (nAPP2307047906/nAPP2316555696)

General Site Information:

Site:	Convoy Central CTB					
Company:	EOG Resources					
Section, Township and Range	Unit G	Sec. 28	T 24S	R 33E		
Lease Number:						
County:	Lea County					
GPS:	32.192135°			-103.576488°		
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection NM-128 and CR-2, travel south on 2 for 1.42 miles. Turn right (west) onto lease road, follow for 0.49 miles. Turn left (south) onto location.					

Release Data:

Date Released:	12.27.2022 / 6.11.2023
Type Release:	Crude Oil / Produced Water
Source of Contamination:	Cracked Weld / Open Valve
Fluid Released:	5 bbl oil / 70 bbls water
Fluids Recovered:	0 bbl oil / 38 bbls water

Official Communication:

Name:	Todd Wells		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr.		901 W. Wall St.
			Ste 100
City:	Midland, Texas, 79706		Midland, Texas, 79701
Phone number:	(432) 686-3613		(432) 682-4559
Fax:			
Email:	Todd_Wells@eogresources.com		clair.gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	70' bgs
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	100 mg/kg	100 mg/kg	600 mg/kg



October 25, 2023

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**RE: Closure Report
EOG Resources
Convoy Central CTB
Lea County, New Mexico
nAPP2307047906
nAPP2316555696**

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Convoy Central CTB release, Unit G, Section 28, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are 32.192135°, -103.576488°. The site location is shown on **Figures 1 and 2**.

Background

Initial Release (nAPP2307047906)

According to the State of New Mexico C-141 Initial Report, the release at the Site was caused by a developed crack in a weld on the discharge pipe, causing the release of 5 bbls of crude oil. The release was an overspray that impacted the pad surrounding the equipment onsite, impacting an area of 50' in length and 35' in width. Additionally, none of fluids were recovered. On December 27, 2022, the release was discovered, due to an inaccurate initial determination of the amount released and thought to be under 5 barrels, it was not reported immediately. Once the release was reevaluated and determined to be greater than 5 barrels, it was reported to the New Mexico Oil Conservation Division (NMOCD) on March 11, 2023. The C-141 is shown in **Appendix A**.

Second Release (nAPP2316555696)

According to the State of New Mexico C-141 Initial Report, the release at the Site was caused by a valve being left open at a load line during facility upgrade activities, causing the release of 70 bbls of produced water. The release ran across the pad and into a pipeline ROW, impacting an area of 210' in length and 70' in width. Additionally, 38 barrels of the fluids were recovered. On June 11, 2023, the release was discovered, and was reported on June 14, 2023, to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.



Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurface mines, private domestic water wells, or floodplains located within the specified distances. Additionally, the site is located in a low karst area. The NFHL Map, USGS Mapper, and Karst map are shown in **Appendix B**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundary, defined municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the two closest water wells within a 1.5-mile radius of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 120 ft bgs and measured water level of 70 ft bgs and is approximately 0.77 miles of the Site. The well reported on the USGS National Water Information System reports a water level measured at 94.35 ft bgs and is approximately 1.43 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
0.77 Miles	12/31/1890	NMOSE	120'	70'
1.43 Miles	03/01/1996	USGS	-	94.35'

Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.



Site Assessment and Remediation Activities

Initial Release Site Assessment Activities

Tetra Tech conducted site assessment activities on January 5, 2023. A total of three (3) auger holes (AH-1 through AH-3) were installed to depths ranging from surface to 2.5 ft bgs, to attempt to assess and vertically delineate the impacted area. Deeper samples were not collected due to dense geological formation. Additionally, a total of six (6) horizontals (H-1 through H-6) were installed to total depths of 0.5 ft bgs, to horizontally delineate the impact. The impact and sample locations are shown on **Figure 3**.

The samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, all auger holes (AH-1 through AH-3) did not indicate chloride concentrations above RRLs. However, auger holes (AH-1 and AH-3) indicated TPH concentrations above RRLs, with concentrations ranging from 103 mg/kg to 7,180 mg/kg at depths ranging from surface to 2.5 ft bgs. Auger hole (AH-3) indicated benzene and BTEX concentrations above RRLs, with a benzene concentration of 20.4 mg/kg at surface and BTEX concentrations ranging from 99.9 mg/kg to 213 mg/kg, at depths ranging from surface to 2.5 ft bgs. Vertical delineation of TPH and BTEX was not found in the auger (AH-3) due to hitting refusal due to the dense geological formation. Additionally, auger hole (AH-2) and horizontals (H-1 through H-6) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRLs.

Initial Release Remediation Activities

Tetra Tech conducted remediation activities from June 6, 2023 through June 21, 2023. The areas of impact were remediated to depths ranging from 0.5 ft bgs to 2.75 ft bgs. Additionally, a superficial 0.5' scrape was completed on the remaining areas beyond horizontal delineation of surficial staining that did not indicate exceedances for housekeeping purposes. The remediation areas and depths are shown on **Figure 4**.

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of sidewalls and floor of the excavation are collected. A total of four (4) bottom holes (BH-1 through BH-4) were collected and a total of eleven (11) sidewalls (SW-1 through SW-11) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico and Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0 and EPA Method 4500. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.



Regarding all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs.

Second Release Site Assessment Activities

Tetra Tech conducted site assessment activities on June 21, 2023. A total of eight (8) auger holes (AH-1 through AH-8) were installed to depths ranging from surface to 3.5 ft bgs, to attempt to assess and vertically delineate the impacted area. Deeper samples were not collected due to dense geological formation. Additionally, a total of seven (7) horizontals (H-1 through H-7) were installed to total depths of 0.5 ft bgs, to horizontally delineate the impact. The impact and sample locations are shown on **Figure 5**.

The samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 3** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, all auger holes (AH-1 through AH-8) did not indicate chloride, benzene, or BTEX concentrations above RRALs. However, auger holes (AH-2 through AH-8) indicated TPH concentrations above RRALs, with concentrations ranging from 103 mg/kg to 21,500 mg/kg at depths ranging from surface to 3.5 ft bgs. Vertical delineation of TPH was not found in the auger (AH-2, AH-3, and AH-5 through AH-8) due to hitting refusal due to the dense geological formation. Additionally, Horizontals (H-1 through H-7) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs.

Second Release Remediation Activities

Tetra Tech conducted remediation activities from July 10, 2023, through July 21, 2023. The areas of impact were remediated to depths ranging from 1.0 ft bgs to 4.5 ft bgs. The remediation areas and depths are shown on **Figure 6**.

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of sidewalls and floor of the excavation are collected. A total of forty-eight (48) bottom holes (BH-1 through BH-48) were collected and a total of twenty-one (21) sidewalls (SW-1 through SW-21) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico and Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0 and EPA Method 4500. The analytical results are summarized in **Table 4** and the analytical laboratory reports are included in **Appendix C**.

Regarding all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs.



Conclusions

Based on the C-141's (nAPP2307047906 and nAPP2316555696) and information provided by EOG, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the *OCD Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activities, the RRALs of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed. Based on Tetra Tech assessment activities, laboratory results indicated TPH and BTEX concentrations in both releases that exceeded RRALs and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 1,494 cubic yards total of impacted soil was removed and properly disposed of, with 173 and 1,321 cubic yards from the initial and second release, respectively. The area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples reported below the RRALs for all constituents. Based on this information, it is recommended that the remediated pad at this Site requires no further action. The final C-141 is included in **Appendix A**.

If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

Respectfully submitted,
TETRA TECH

A handwritten signature in blue ink, appearing to read 'Brittany Long'.

Brittany Long,
Project Manager

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.
Senior Project Manager



Figures

NORTH



▲ APPROXIMATE SITE LOCATION

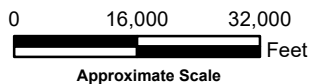


FIGURE 1
SITE OVERVIEW
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598

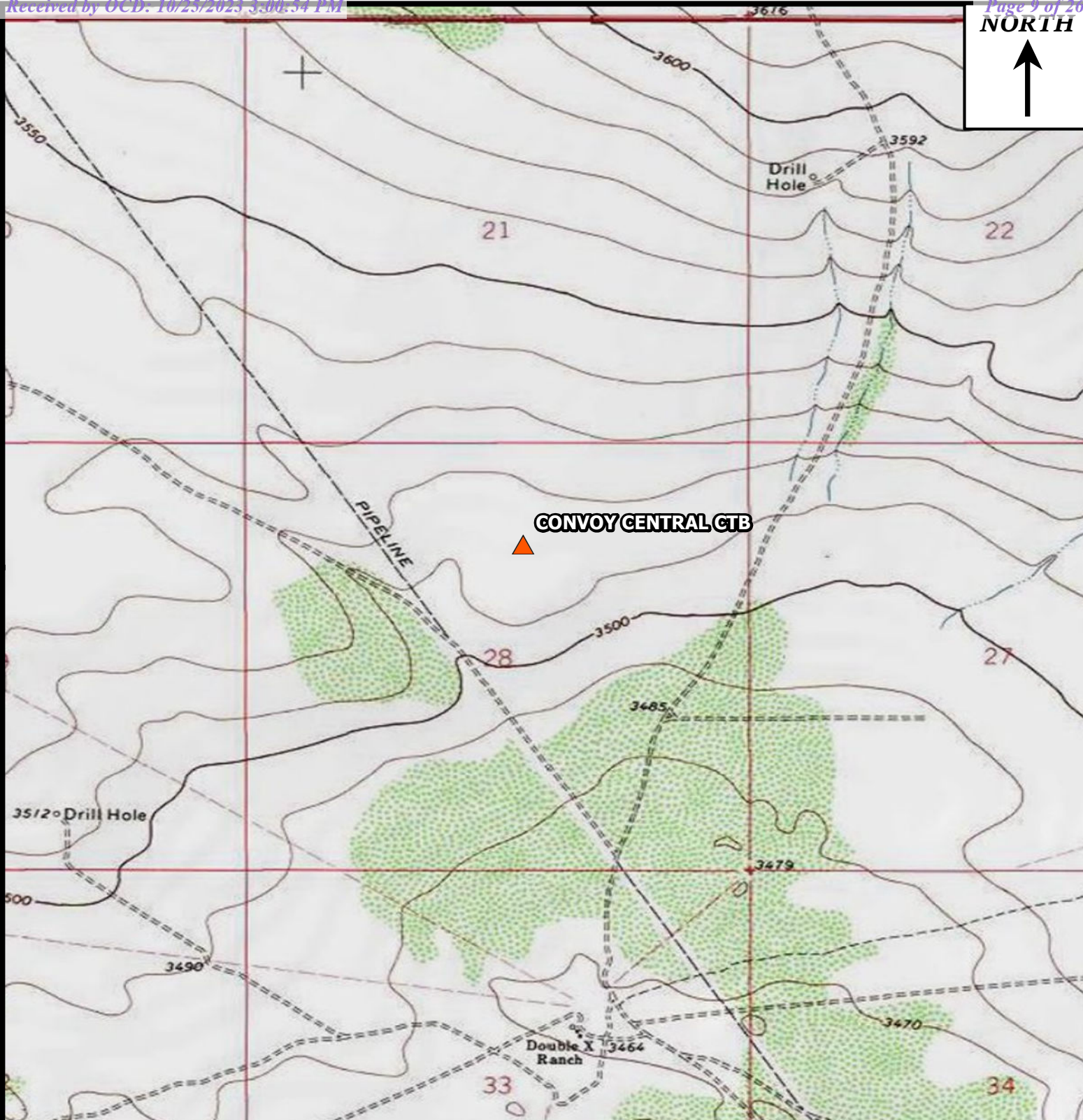
Date: 2/10/2023

Name: Figure 1 - Convoy Central CTB



Service Layer Credits: World Street Map, ESRI.

NORTH



▲ APPROXIMATE SITE LOCATION

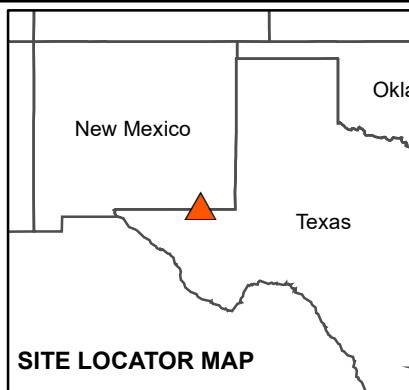
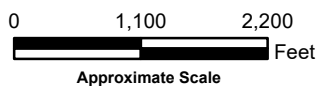


FIGURE 2
TOPOGRAPHIC MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598

Date: 2/10/2023

Name: Figure 2 - Convoy Central CTB



Service Layer Credits: World Street Map, ESRI.

NORTH



- AUGERHOLE SAMPLE LOCATIONS
- HORIZONTAL SAMPLE LOCATIONS
- UTILITIES AND INFRASTRUCTURE
- RELEASE EXTENT

0 20 40
Feet
Approximate Scale

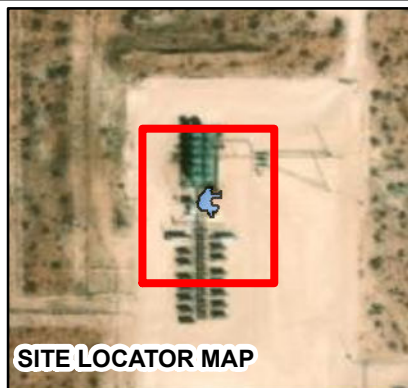


FIGURE 3
SITE ASSESSMENT MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
 32.192345°, -103.576356°

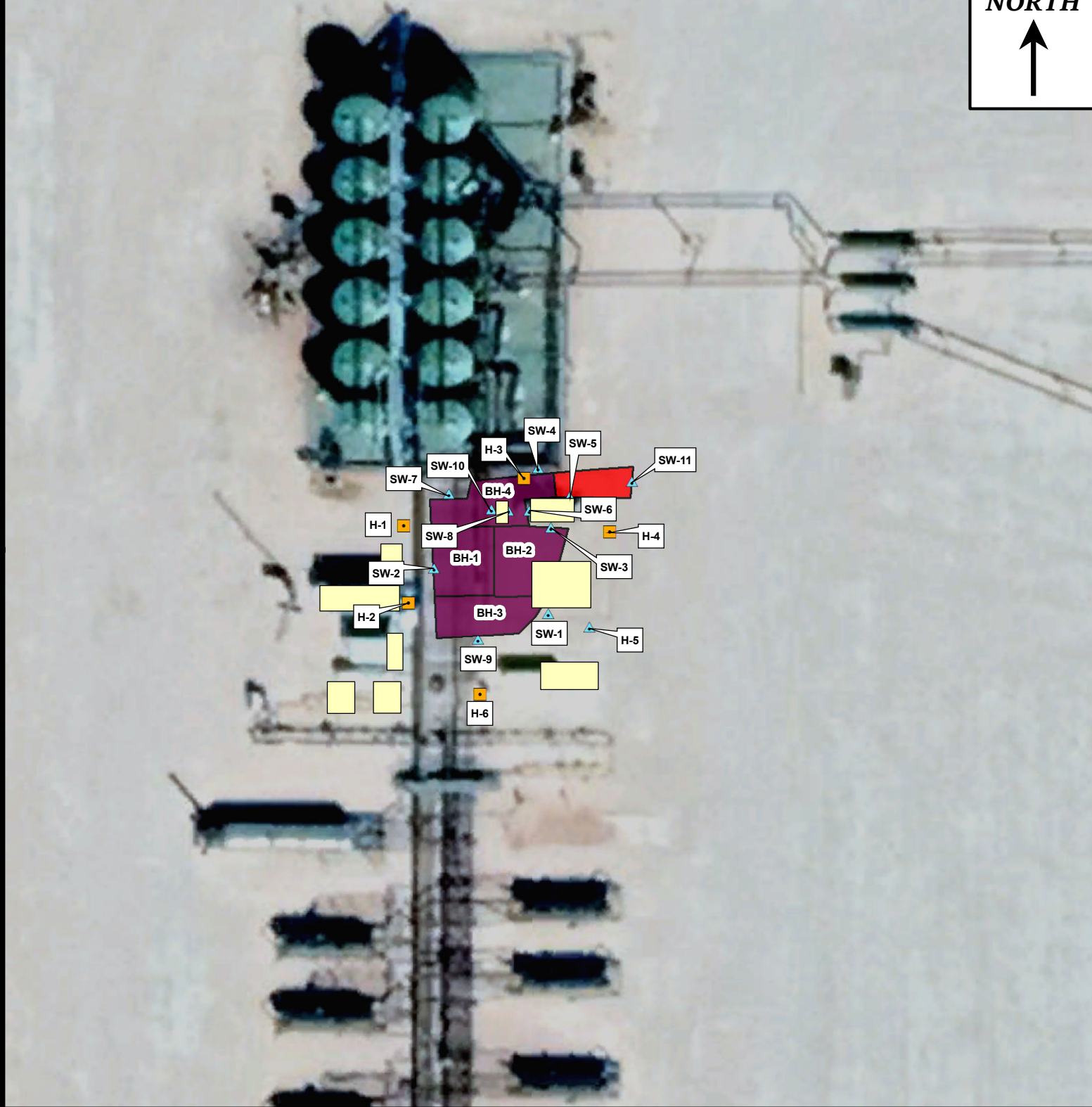
Project: 212C-MD-02598

Date: 2/10/2023

Name: Figure 3 - Convoy Central CTB



NORTH



AUGERHOLE SAMPLE LOCATION



HORIZONTAL SAMPLE LOCATION



SIDEWALL SAMPLE LOCATION



1.5' DEPTH EXCAVATION



1.75-2.75' DEPTH EXCAVATION

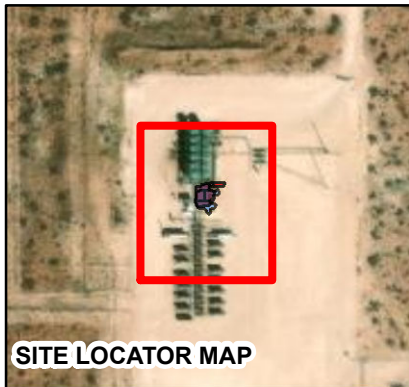


UTILITIES AND INFRASTRUCTURE

0 20 40
Feet

Approximate Scale

Service Layer Credits: World Street Map, ESRI.



SITE LOCATOR MAP



FIGURE 4
EXCAVATION DEPTH AND AREA MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

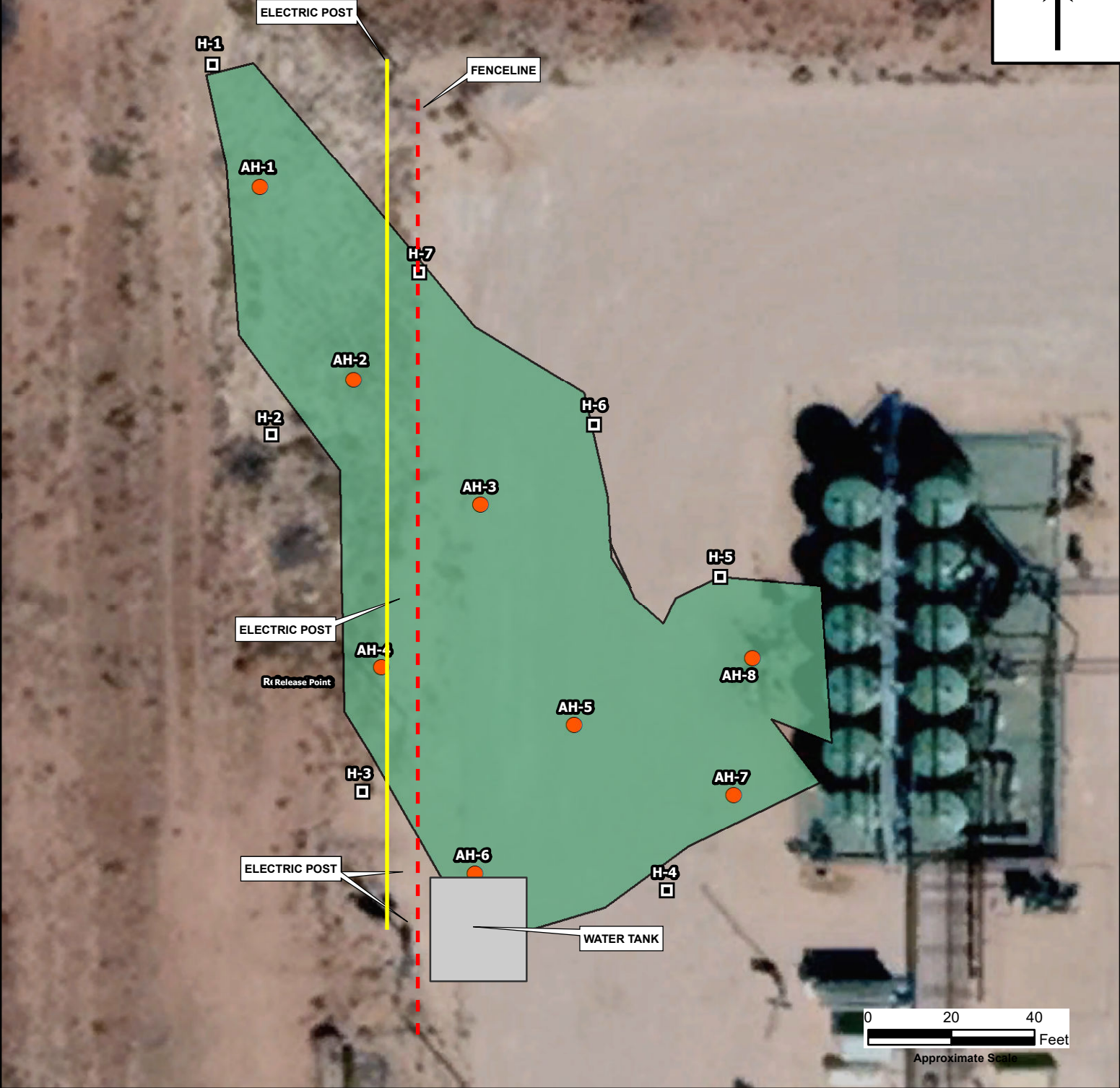
Project: 212C-MD-02598

Date: 8/18/2023

Name: Figure 4 - Convoy Central CTB



NORTH



- AUGERHOLE SAMPLE LOCATION
- HORIZONTAL SAMPLE LOCATION
- - - FENCELINE (REMOVED)
- OVERHEAD POWER LINES
- SPILL 2 EXTENT

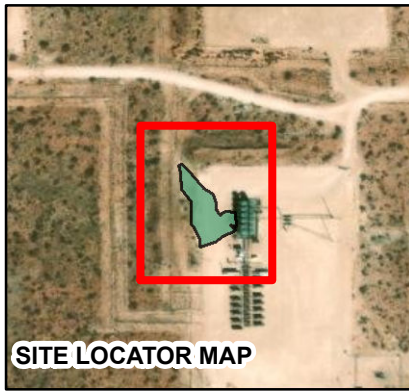
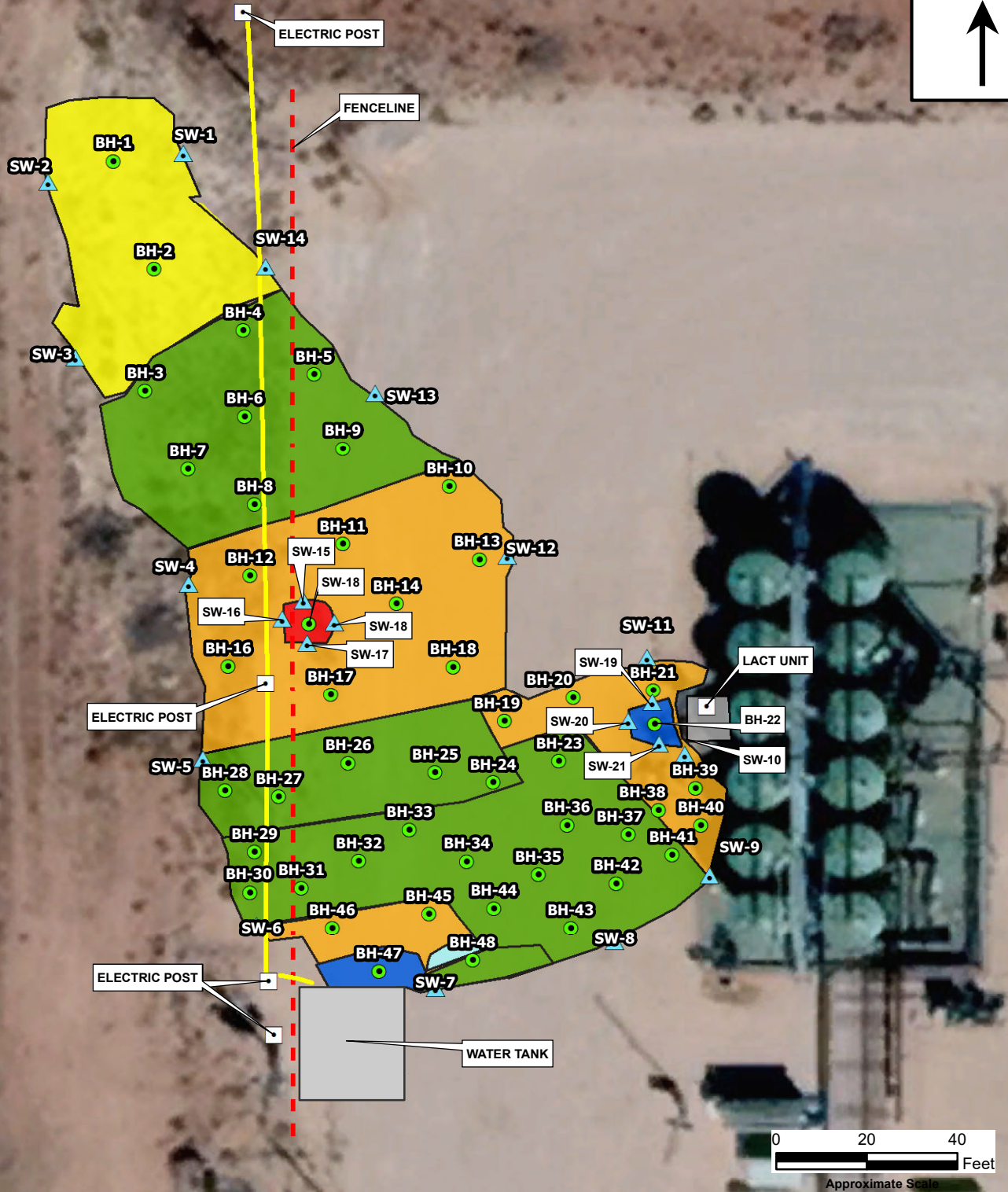


FIGURE 5
SPILL 2 ASSESSMENT MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598
Date: 8/18/2023
Name: Figure 5 - Convoy Central CTB



NORTH



- SITE FEATURES/UTILITIES
- AUGERHOLE SAMPLE LOCATION
- ▲ SIDEWALL SAMPLE LOCATION
- - - FENCELINE (REMOVED)
- OVERHEAD POWER LINES
- UTILITIES/INFRASTRUCTURE
- 1' DEPTH EXCAVATION
- 2' DEPTH EXCAVATION
- 2.5' DEPTH EXCAVATION
- 3' DEPTH EXCAVATION
- 3.5' DEPTH EXCAVATION
- 4.5' DEPTH EXCAVATION



SITE LOCATOR MAP



FIGURE 6
EXCAVATION DEPTH AND AREA MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598

Date: 8/18/2023

Name: Figure 6 - Convoy Central CTB





Tables

Table 1
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs						100 mg/kg			10 mg/kg				50 mg/kg	600 mg/kg
Initial Release Assessment														
AH-1	1/5/2023	0-1	-	X	<50.0	<50.0	<50.0	<50.0	0.0135	0.374	0.195	0.852	1.43	54.5
	"	1-1.5	-	X	<49.9	103	<49.9	103	0.0373	0.0896	0.229	0.933	1.29	120
	"	2-2.5	X	-	<50.0	82.3	<50.0	82.3	0.0252	0.0894	0.151	0.591	0.857	106
AH-2	1/5/2023	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	53.8
	"	1-1.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00300	<0.00199	0.00860	0.0116	159
	"	2-2.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
AH-3	1/5/2023	0-1	-	X	2,830	3,850	503	7,180	20.4	138	39.0	150	213	56.1
	"	1-1.5	-	X	654	1,520	177	2,350	2.62	36.3	13.9	47.1	99.9	92.1
	"	2-2.5	-	X	423	642	<49.8	1,070	1.92	30.8	16.2	55.5	104	110
H-1	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.00565	0.00255	<0.00202	0.00995	0.0182	59.9
H-2	1/5/2023	0-0.5	X	-	<49.8	84.9	<49.8	84.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
H-3	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.0122	0.00656	<0.00200	<0.00399	0.0212	92.8
H-4	1/5/2023	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	91.9
H-5	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.8
H-6	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.00669	<0.00199	<0.00199	<0.00398	0.00669	85.6

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *Guidelines for Remediation of Leaks, Spills,*

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

 Exceedance

Table 2
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs						100 mg/kg		10 mg/kg					50 mg/kg	600 mg/kg
Initial Release Confirmation Samples														
BH-1	6/14/2023	1.5	-	X	<10.0	89.9	18.4	108	<0.050	<0.050	<0.050	<0.150	<0.300	49.5
	6/19/2023	1.75	-	X	<10.0	368	147	515	<0.050	<0.050	<0.050	<0.150	<0.300	65.6
	6/21/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	57.1
BH-2	6/14/2023	1.5	-	X	<10.0	102	23.9	126	<0.050	<0.050	<0.050	<0.150	<0.300	51.7
	6/19/2023	1.75	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	55.5
BH-3	6/14/2023	2.5	-	X	<10.0	88.6	36.6	125	<0.050	<0.050	<0.050	<0.150	<0.300	46.7
	6/19/2023	2.75	X	-	<10.0	12.3	<10.0	12.3	<0.050	<0.050	<0.050	<0.150	<0.300	60.9
BH-4	6/19/2023	1.75	X	-	<10.0	47.1	14.2	61.3	<0.050	<0.050	<0.050	<0.150	<0.300	61.5
SW-1	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.5
SW-2	6/14/2023		X	-	<10.0	30.2	<10.0	30.2	<0.050	<0.050	<0.050	<0.150	<0.300	54.3
SW-3	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	49.5
SW-4	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	49.6
SW-5	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	54.6
SW-6	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	59.6
SW-7	6/14/2023		X	-	<10.0	15.1	<10.0	15.1	<0.050	<0.050	<0.050	<0.150	<0.300	58.7
SW-8	6/14/2023		X	-	<10.0	16.8	<10.0	16.8	<0.050	<0.050	<0.050	<0.150	<0.300	53.7
SW-9	6/15/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	37.8
SW-10	6/15/2023		X	-	<10.0	27.6	<10.0	27.6	<0.050	<0.050	<0.050	<0.150	<0.300	39.9
SW-11	6/15/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	37.4

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *Guidelines for Remediation of Leaks*.

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

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(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

 Exceedance

Table 3
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs					100 mg/kg	10 mg/kg							50 mg/kg	600 mg/kg
Second Release Assessment														
AH-1	6/21/2023	0-1	X	-	<10.0	13.1	<10.0	13.1	<0.050	<0.050	<0.050	<0.150	<0.300	60.8
	"	1-1.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	59.1
	"	2-2.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	60.2
	"	3-3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	54.0
AH-2	6/21/2023	0-1	-	X	<10.0	580	133	713	<0.050	<0.050	<0.050	<0.150	<0.300	66.5
	"	1-1.5	-	X	<10.0	352	74.5	427	<0.050	<0.050	<0.050	<0.150	<0.300	56.1
	"	2-2.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	51.0
	"	3-3.5	-	X	<10.0	90	13.0	103	<0.050	<0.050	<0.050	<0.150	<0.300	52.3
AH-3	6/21/2023	0-1	-	X	<10.0	4,350	1,080	5,430	<0.050	<0.050	<0.050	<0.150	<0.300	77.5
AH-4	6/21/2023	0-1	-	X	<10.0	570	182	752	<0.050	<0.050	<0.050	<0.150	<0.300	70.8
	"	1-1.5	-	X	<10.0	262	84.2	346	<0.050	<0.050	<0.050	<0.150	<0.300	53.5
	"	2-2.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	51.5
AH-5	6/21/2023	0-1	-	X	<10.0	3,940	989	4,929	<0.050	<0.050	<0.050	<0.150	<0.300	52.4
AH-6	6/21/2023	0-1	-	X	<10.0	382	109	491	<0.050	<0.050	<0.050	<0.150	<0.300	63.3
AH-7	6/21/2023	0-1	-	X	<10.0	2,820	859	3,679	<0.050	<0.050	<0.050	<0.150	<0.300	61.0
AH-8	6/21/2023	0-1	-	X	218	17,900	3,390	21,500	<0.050	0.141	0.532	2.86	3.53	219.0
H-1	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.8
H-2	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.2
H-3	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	40.6
H-4	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	41.5
H-5	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	46.6
H-6	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	46.3
H-7	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	53.9

NOTESRRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *Guidelines for Remediation of Leaks, Spills*.

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene


 Exceedance

Table 4
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)		
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)			
RRALs					100 mg/kg				10 mg/kg					50 mg/kg		600 mg/kg
Second Release Confirmation Sampling																
BH-1	7/12/2023	1	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0		
BH-2	7/12/2023	1	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0		
BH-3	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0		
BH-4	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
BH-5	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0		
BH-6	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128		
BH-7	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0		
BH-8	7/12/2023	3	-	X	<10.0	77.9	27.3	105	<0.050	<0.050	<0.050	<0.150	<0.300	144		
	7/14/2023	3	X	-	<10.0	13	<10.0	12.7	<0.050	<0.050	<0.050	<0.150	<0.300	368		
BH-9	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112		
BH-10	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0		
BH-11	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560		
BH-12	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0		
BH-13	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192		
BH-14	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144		
BH-15	7/13/2023	2	-	X	<10.0	284	65.1	349	<0.050	<0.050	<0.050	<0.150	<0.300	416		
	7/19/2023	4.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192.0		
BH-16	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160		
BH-17	7/13/2023	2	X	-	<10.0	37.8	<10.0	37.8	<0.050	<0.050	<0.050	<0.150	<0.300	256		
BH-18	7/13/2023	2	X	-	<10.0	56.1	12.7	68.8	<0.050	<0.050	<0.050	<0.150	<0.300	208		
BH-19	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
BH-20	7/13/2023	2	X	-	<10.0	36.3	<10.0	36.3	<0.050	<0.050	<0.050	<0.150	<0.300	80.0		
BH-21	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176		
BH-22	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144		
	7/19/2023	3.5	X	-	<10.0	68	11.3	79.2	<0.050	<0.050	<0.050	<0.150	<0.300	144		

Table 4
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
BH-23	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-24	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-25	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-26	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-27	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
BH-28	7/14/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-29	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-30	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-31	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-32	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-33	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-34	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-35	7/14/2023	3	X	-	<10.0	16.1	<10.0	16.1	<0.050	<0.050	<0.050	<0.150	<0.300	432
BH-36	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-37	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-38	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
BH-39	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-40	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-41	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-42	7/14/2023	3	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	7/19/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-43	7/14/2023	3	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	7/19/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224.0
BH-44	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-45	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-46	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-47	7/14/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

Table 4
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
BH-48	7/14/2023	2	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	7/19/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW-1	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-3	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-4	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-8	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-9	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-10	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-11	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-12	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-13	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	7/19/2023		X	-	<10.0	13.2	<10.0	13.2	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-16	7/19/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-17	7/19/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-18	7/19/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-19	7/19/2023		X	-	<10.0	41.4	<10.0	41.4	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-20	7/19/2023		X	-	<10.0	43.7	<10.0	43.7	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-21	7/19/2023		-	X	<10.0	169	40.5	210	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	7/26/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *Guidelines for Remediation of Leaks, Spills*,

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

 Exceedance



Photographic Documentation

EOG Resources
Convoy Central CTB
1st Release
Eddy County, New Mexico



View of Remediation Activities – View North



View of Remediation Activities – View North

EOG Resources
Convoy Central CTB
1st Release
Eddy County, New Mexico

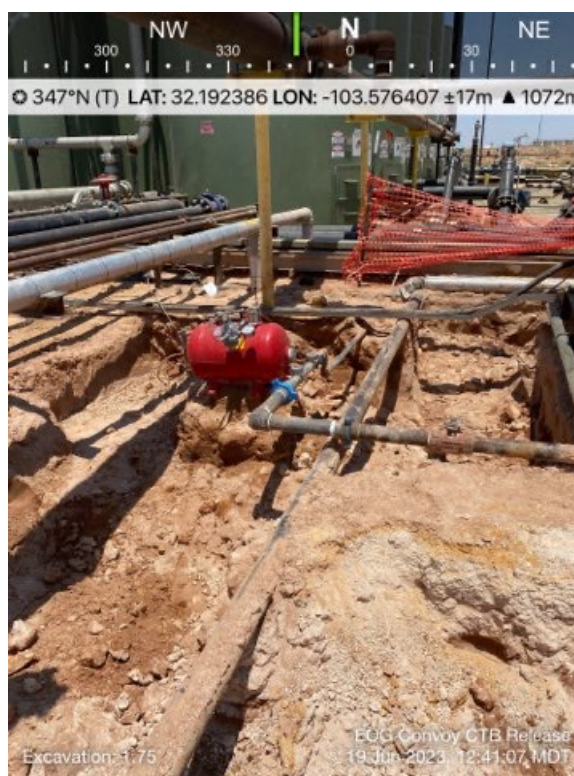


View of Remediation Activities – View North

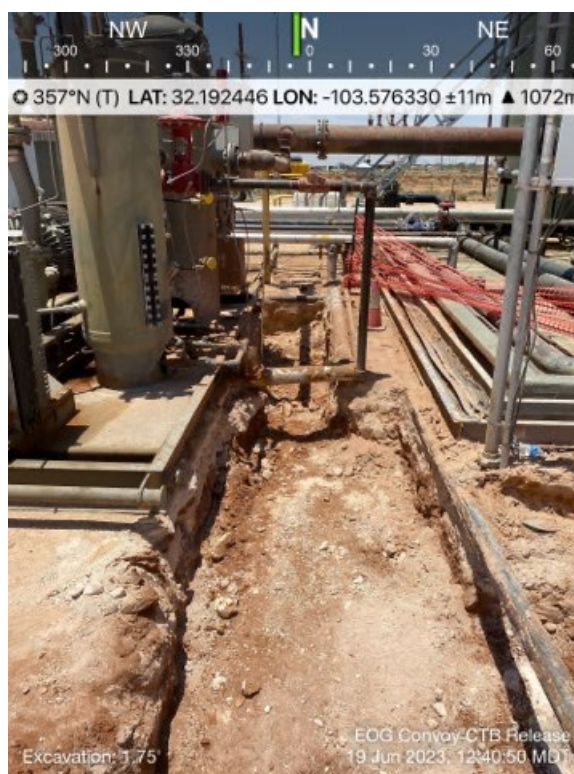


View of Remediation Activities – View North

EOG Resources
Convoy Central CTB
1st Release
Eddy County, New Mexico



View of Remediation Activities – View North

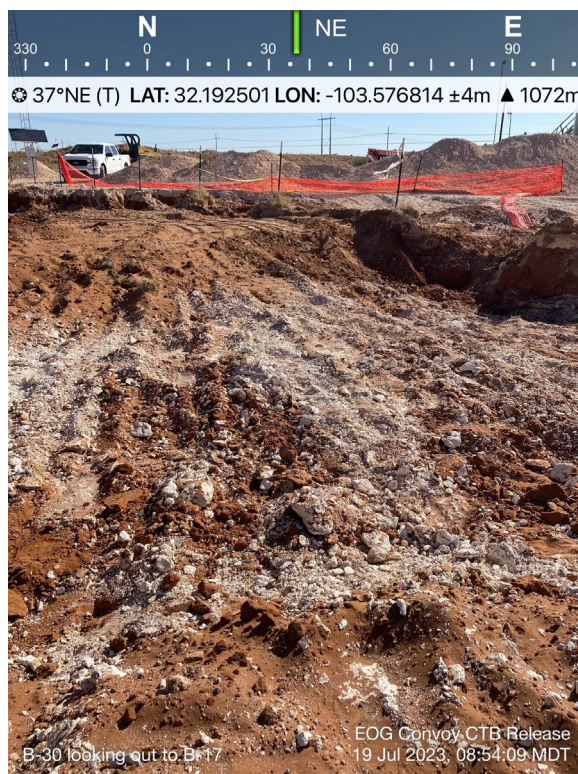


View of Remediation Activities – View North

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico



View of Remediation Activities – View North

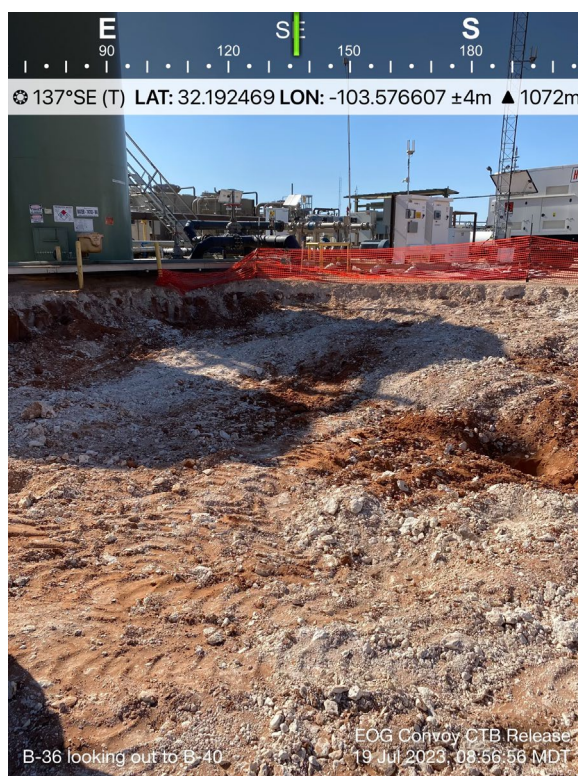


View of Remediation Activities – View Northeast

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico



View of Remediation Activities – View North



View of Remediation Activities – View Southeast

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico



View of Remediation Activities – View Northeast



View of Remediation Activities – View West

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico



TETRA TECH



View of Remediation Activities – View Northwest



Appendix A

C-141 Document

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2307047906
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2307047906
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.192135° Longitude -103.576488°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Convoy Central CTB	Site Type Tank Battery
Date Release Discovered 12/27/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
G	28	24S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 5	Volume Recovered (bbls) 0
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The weld on the discharge pipe developed a crack and sprayed oil on the ground surrounding it on the pad. Initially the release was estimated to be less than 5 bbls. Following the soil assessment the release volume was revised to approximately 5 bbls of oil released on the pad with 0 bbls recovered.

Incident ID	NAPP2307047906
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>3-11-23</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/13/2023</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2316555696
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.192436° Longitude -103.576510°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Convoy Central CTB	Site Type Tank Battery
Date Release Discovered 6/11/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
G	28	24S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 70	Volume Recovered (bbls) 38
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Following a facility upgrade, the valve for one of the water tanks was left open at the load line. This caused the release of approximately 70 bbls of produced water that ran across the pad and into the ROW with 38 bbls recovered.

Incident ID	NAPP2316555696
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? James Kennedy sent the email notification to the NMOCD Inbox on 6/12/23.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>6/14/23</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>06/15/2023</u>

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	70 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2316555696
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Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 10/25/23

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 10/25/23

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 02/06/2024

Printed Name: Nelson Velez Title: Environmental Specialist - Adv




Appendix B

Site Characterization Documents



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 02310	2	4	2	33	24S	33E	634420	3560893 
Driller License:		Driller Company:							
Driller Name:	UNKNOWN								
Drill Start Date:	01/01/1890	Drill Finish Date:				12/31/1890		Plug Date:	
Log File Date:		PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 60 GPM			
Casing Size:	8.50	Depth Well:				120 feet		Depth Water:	70 feet

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/26/23 5:10 PM

POINT OF DIVERSION SUMMARY



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface[USGS Water Resources](#)

Data Category:


Groundwater

Geographic Area:

New Mexico

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321017103343201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321017103343201 24S.33E.33.23231

Lea County, New Mexico
Latitude 32°10'17", Longitude 103°34'32" NAD27
Land-surface elevation 3,475 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1954-03-17			D 62610		3380.19	NGVD29	1	Z		
1954-03-17			D 62611		3381.85	NAVD88	1	Z		
1954-03-17			D 72019	93.15			1	Z		
1976-01-22			D 62610		3381.29	NGVD29	1	Z		
1976-01-22			D 62611		3382.95	NAVD88	1	Z		
1976-01-22			D 72019	92.05			1	Z		
1981-03-20			D 62610		3380.53	NGVD29	1	Z		
1981-03-20			D 62611		3382.19	NAVD88	1	Z		
1981-03-20			D 72019	92.81			1	Z		
1986-03-11			D 62610		3378.77	NGVD29	1	Z		
1986-03-11			D 62611		3380.43	NAVD88	1	Z		
1986-03-11			D 72019	94.57			1	Z		
1991-06-06			D 62610		3378.72	NGVD29	1	Z		
1991-06-06			D 62611		3380.38	NAVD88	1	Z		
1991-06-06			D 72019	94.62			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1996-03-01		D	62610		3378.99	NGVD29	1	S		
1996-03-01		D	62611		3380.65	NAVD88	1	S		
1996-03-01		D	72019	94.35			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)
[Feedback on this web site](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
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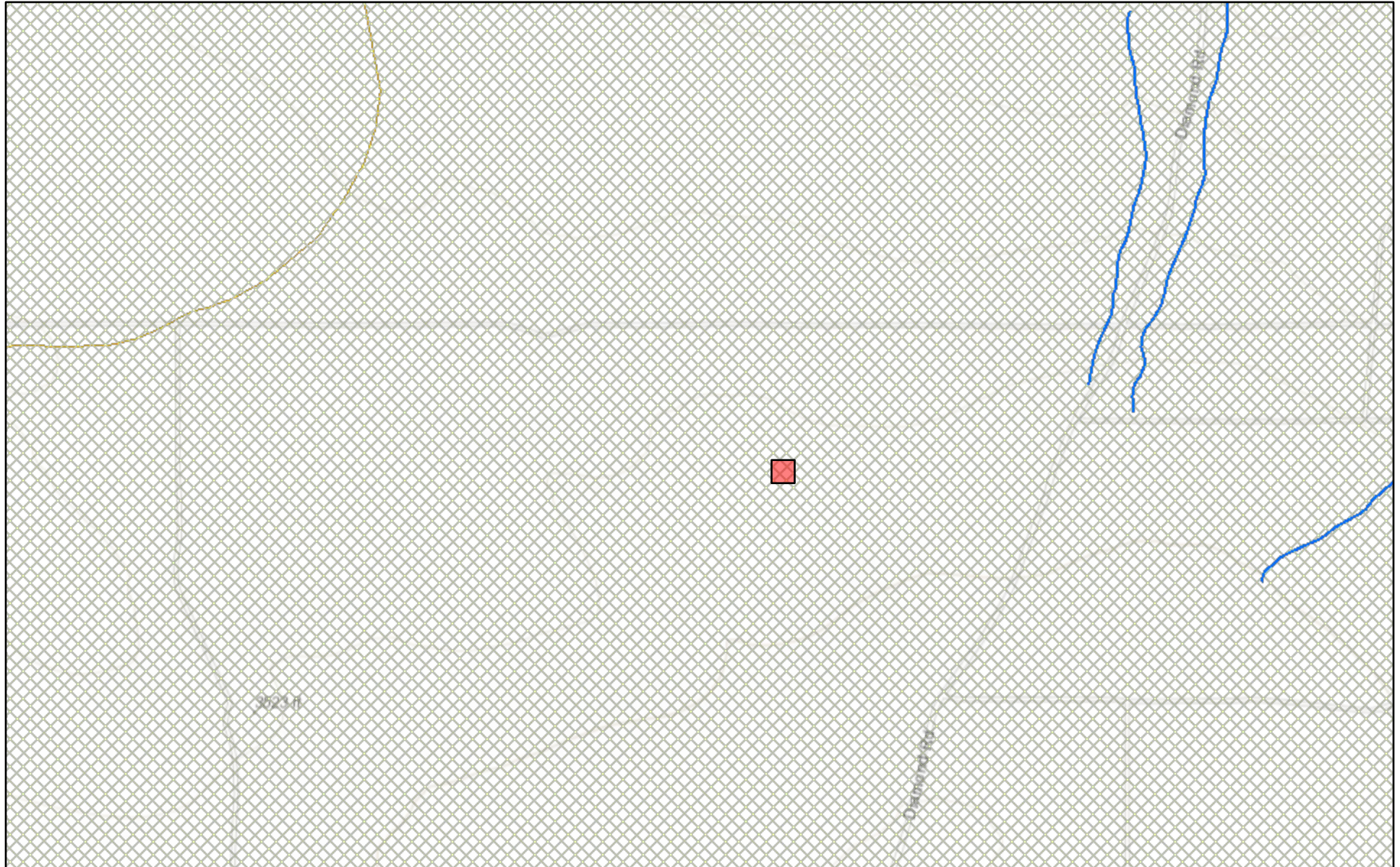
Accessibility FOIA Privacy Policies and Notices
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



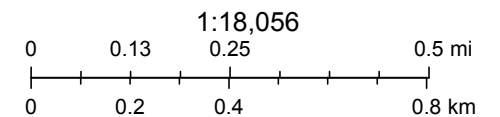
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-01-27 01:22:39 EST
0.28 0.24 nadww01



New Mexico NFHL Data



January 26, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

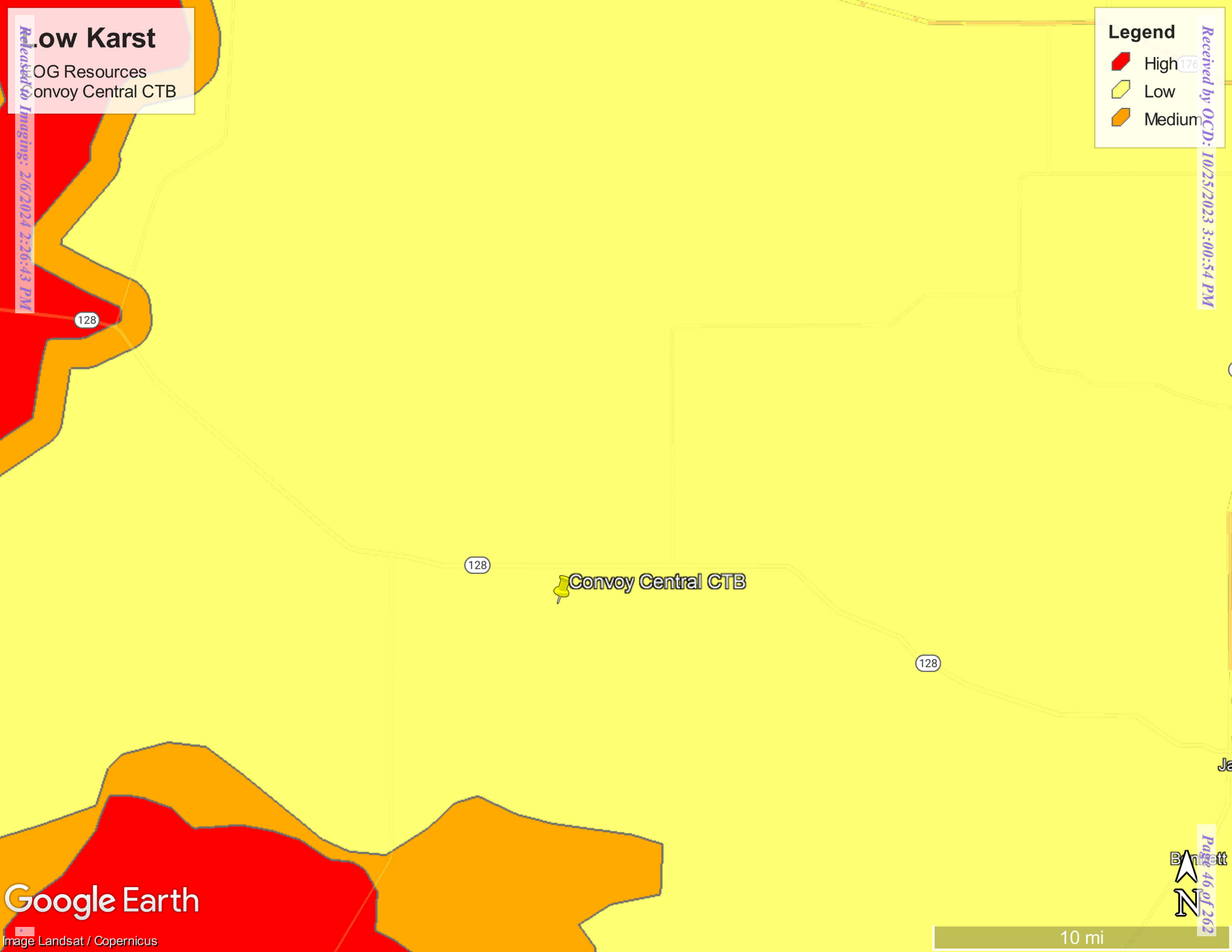
Low Karst
OG Resources
Convoy Central CTB

Released to Imaging: 2/6/2024 2:26:43 PM

Legend

- High
- Low
- Medium

Received by OCD: 10/23/2023 3:00:54 PM



Google Earth

Image Landsat / Copernicus

North arrow pointing up, labeled 'N'. Below it, the text 'Page 46 of 262' is visible.

10 mi



Appendix C

Laboratory Reports



Environment Testing

- 1
- 2
- 3
- 4
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ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Generated 1/19/2023 1:48:38 PM

JOB DESCRIPTION

Convoy Central CTB
SDG NUMBER Lea County NM

JOB NUMBER

890-3772-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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1/19/2023 1:48:38 PM

Authorized for release by
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Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Laboratory Job ID: 890-3772-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Job ID: 890-3772-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-3772-1****Receipt**

The samples were received on 1/5/2023 1:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 16.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (890-3772-1), H-2 (890-3772-2), H-3 (890-3772-3), H-4 (890-3772-4), H-5 (890-3772-5), H-6 (890-3772-6), AH-1 (0-1') (890-3772-7), AH-1 (1-1.5') (890-3772-8), AH-1 (2-2.5') (890-3772-9), AH-2 (0-1') (890-3772-10), AH-2 (1-1.5') (890-3772-11), AH-2 (2-2.5') (890-3772-12), AH-3 (0-1') (890-3772-13), AH-3 (1-1.5') (890-3772-14) and AH-3 (2-2.5') (890-3772-15).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-1 (0-1') (890-3772-7), AH-3 (0-1') (890-3772-13), AH-3 (1-1.5') (890-3772-14) and AH-3 (2-2.5') (890-3772-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-1 (1-1.5') (890-3772-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-1 (2-2.5') (890-3772-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-3 (1-1.5') (890-3772-14) and AH-3 (2-2.5') (890-3772-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43699 and analytical batch 880-43692 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43712 and analytical batch 880-43694 was outside the upper control limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43540 and analytical batch 880-43613 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-1

Lab Sample ID: 890-3772-1

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00565		0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
Toluene	0.00255		0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
m-Xylene & p-Xylene	0.00520		0.00403		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
o-Xylene	0.00475		0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
Xylenes, Total	0.00995		0.00403		mg/Kg		01/09/23 10:59	01/12/23 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	01/09/23 10:59	01/12/23 22:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/09/23 10:59	01/12/23 22:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0182		0.00403		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 10:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 10:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 10:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				01/11/23 08:24	01/11/23 10:56	1
o-Terphenyl	100		70 - 130				01/11/23 08:24	01/11/23 10:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.9		4.99		mg/Kg			01/11/23 14:47	1

Client Sample ID: H-2

Lab Sample ID: 890-3772-2

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/09/23 10:59	01/12/23 22:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/09/23 10:59	01/12/23 22:37	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-2

Lab Sample ID: 890-3772-2

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.9		49.8		mg/Kg			01/11/23 17:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:02	1
Diesel Range Organics (Over C10-C28)	84.9		49.8		mg/Kg		01/11/23 08:24	01/11/23 12:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				01/11/23 08:24	01/11/23 12:02	1
o-Terphenyl	105		70 - 130				01/11/23 08:24	01/11/23 12:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		5.01		mg/Kg			01/11/23 15:06	1

Client Sample ID: H-3

Lab Sample ID: 890-3772-3

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0122		0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Toluene	0.00656		0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
o-Xylene	0.00247		0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/09/23 10:59	01/12/23 22:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/09/23 10:59	01/12/23 22:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0212		0.00399		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 12:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 12:24	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-3

Lab Sample ID: 890-3772-3

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				01/11/23 08:24	01/11/23 12:24	1
o-Terphenyl	123		70 - 130				01/11/23 08:24	01/11/23 12:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.8		5.00		mg/Kg			01/11/23 15:12	1

Client Sample ID: H-4

Lab Sample ID: 890-3772-4

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				01/09/23 10:59	01/12/23 23:18	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/09/23 10:59	01/12/23 23:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/11/23 17:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				01/11/23 08:24	01/11/23 12:47	1
o-Terphenyl	117		70 - 130				01/11/23 08:24	01/11/23 12:47	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.9		5.02		mg/Kg			01/11/23 15:18	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-5

Lab Sample ID: 890-3772-5

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:59	01/12/23 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/09/23 10:59	01/12/23 23:39	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/09/23 10:59	01/12/23 23:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	01/11/23 08:24	01/11/23 13:09	1
o-Terphenyl	115		70 - 130	01/11/23 08:24	01/11/23 13:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.8		5.01		mg/Kg			01/11/23 15:24	1

Client Sample ID: H-6

Lab Sample ID: 890-3772-6

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00669		0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/09/23 10:59	01/12/23 23:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/09/23 10:59	01/12/23 23:59	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-6

Lab Sample ID: 890-3772-6

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00669		0.00398		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				01/11/23 08:24	01/11/23 13:32	1
o-Terphenyl	118		70 - 130				01/11/23 08:24	01/11/23 13:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		5.00		mg/Kg			01/11/23 15:30	1

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-3772-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0135		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Toluene	0.374		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Ethylbenzene	0.195		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
m-Xylene & p-Xylene	0.599		0.00398		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
o-Xylene	0.253		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Xylenes, Total	0.852		0.00398		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				01/09/23 10:59	01/13/23 00:19	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/09/23 10:59	01/13/23 00:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.43		0.00398		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 02:31	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-3772-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 02:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				01/11/23 09:44	01/12/23 02:31	1
o-Terphenyl	121		70 - 130				01/11/23 09:44	01/12/23 02:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5	F1	5.00		mg/Kg			01/11/23 15:36	1

Client Sample ID: AH-1 (1-1.5')

Lab Sample ID: 890-3772-8

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0373		0.00200		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
Toluene	0.0896		0.0198		mg/Kg		01/13/23 10:20	01/13/23 14:01	10
Ethylbenzene	0.229		0.00200		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
m-Xylene & p-Xylene	0.662		0.00399		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
o-Xylene	0.271		0.00200		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
Xylenes, Total	0.933		0.00399		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				01/09/23 10:59	01/13/23 00:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130				01/09/23 10:59	01/13/23 00:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.29		0.00399		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	103		49.9		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 02:53	1
Diesel Range Organics (Over C10-C28)	103		49.9		mg/Kg		01/11/23 09:44	01/12/23 02:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				01/11/23 09:44	01/12/23 02:53	1
o-Terphenyl	122		70 - 130				01/11/23 09:44	01/12/23 02:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		5.02		mg/Kg			01/11/23 16:03	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-1 (2-2.5')

Lab Sample ID: 890-3772-9

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 1 - 1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0252		0.00201		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
Toluene	0.0894		0.0199		mg/Kg		01/13/23 10:20	01/13/23 14:22	10
Ethylbenzene	0.151		0.00201		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
m-Xylene & p-Xylene	0.428		0.00402		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
o-Xylene	0.163		0.00201		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
Xylenes, Total	0.591		0.00402		mg/Kg		01/09/23 10:59	01/13/23 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/09/23 10:59	01/13/23 01:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/09/23 10:59	01/13/23 01:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.857		0.00402		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.3		50.0		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:14	1
Diesel Range Organics (Over C10-C28)	82.3		50.0		mg/Kg		01/11/23 09:44	01/12/23 03:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	01/11/23 09:44	01/12/23 03:14	1
o-Terphenyl	109		70 - 130	01/11/23 09:44	01/12/23 03:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.00		mg/Kg			01/11/23 16:09	1

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-3772-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 2 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/09/23 10:59	01/13/23 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/09/23 10:59	01/13/23 01:21	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-3772-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 2 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	81		70 - 130	01/09/23 10:59	01/13/23 01:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				01/11/23 09:44	01/12/23 03:36	1
o-Terphenyl	118		70 - 130				01/11/23 09:44	01/12/23 03:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.8		4.98		mg/Kg			01/11/23 16:27	1

Client Sample ID: AH-2 (1-1.5')

Lab Sample ID: 890-3772-11

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 0 - 3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
Toluene	0.00300		0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
m-Xylene & p-Xylene	0.00474		0.00398		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
o-Xylene	0.00386		0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
Xylenes, Total	0.00860		0.00398		mg/Kg		01/09/23 10:59	01/13/23 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	01/09/23 10:59	01/13/23 02:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/09/23 10:59	01/13/23 02:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0116		0.00398		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/12/23 14:52	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-2 (1-1.5')

Lab Sample ID: 890-3772-11

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 0 - 3.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				01/11/23 09:44	01/12/23 03:58	1
o-Terphenyl	107		70 - 130				01/11/23 09:44	01/12/23 03:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		4.95		mg/Kg			01/11/23 16:33	1

Client Sample ID: AH-2 (2-2.5')

Lab Sample ID: 890-3772-12

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 1 - 4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				01/09/23 10:59	01/13/23 03:04	1
1,4-Difluorobenzene (Surr)	85		70 - 130				01/09/23 10:59	01/13/23 03:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 04:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 04:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				01/11/23 09:44	01/12/23 04:19	1
o-Terphenyl	99		70 - 130				01/11/23 09:44	01/12/23 04:19	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-2 (2-2.5')

Lab Sample ID: 890-3772-12

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 1 - 4.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.00		mg/Kg			01/11/23 16:40	1

Client Sample ID: AH-3 (0-1')

Lab Sample ID: 890-3772-13

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20.4		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:07	100
Toluene	138		1.99		mg/Kg		01/18/23 08:29	01/18/23 15:20	1000
Ethylbenzene	39.0		0.499		mg/Kg		01/13/23 10:20	01/13/23 14:42	250
m-Xylene & p-Xylene	115		0.998		mg/Kg		01/13/23 10:20	01/13/23 14:42	250
o-Xylene	38.2		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:07	100
Xylenes, Total	150		0.998		mg/Kg		01/13/23 10:20	01/13/23 14:42	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	212	S1+	70 - 130				01/09/23 10:59	01/13/23 05:07	100
1,4-Difluorobenzene (Surr)	98		70 - 130				01/09/23 10:59	01/13/23 05:07	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	213		0.998		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7180		49.9		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2830		49.9		mg/Kg		01/11/23 09:44	01/12/23 04:40	1
Diesel Range Organics (Over C10-C28)	3850		49.9		mg/Kg		01/11/23 09:44	01/12/23 04:40	1
Oil Range Organics (Over C28-C36)	503		49.9		mg/Kg		01/11/23 09:44	01/12/23 04:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				01/11/23 09:44	01/12/23 04:40	1
o-Terphenyl	101		70 - 130				01/11/23 09:44	01/12/23 04:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		4.99		mg/Kg			01/11/23 16:46	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-3 (1-1.5')

Lab Sample ID: 890-3772-14

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 1 - 1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.62		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
Toluene	36.3		0.402		mg/Kg		01/13/23 10:20	01/13/23 15:02	200
Ethylbenzene	13.9		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
m-Xylene & p-Xylene	34.3		0.398		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
o-Xylene	12.8		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
Xylenes, Total	47.1		0.398		mg/Kg		01/09/23 10:59	01/13/23 05:28	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	01/09/23 10:59	01/13/23 05:28	100
1,4-Difluorobenzene (Surr)	108		70 - 130	01/09/23 10:59	01/13/23 05:28	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	99.9		0.398		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2350		49.9		mg/Kg			01/12/23 14:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	654		49.9		mg/Kg		01/11/23 09:44	01/12/23 05:01	1
Diesel Range Organics (Over C10-C28)	1520		49.9		mg/Kg		01/11/23 09:44	01/12/23 05:01	1
Oil Range Organics (Over C28-C36)	177		49.9		mg/Kg		01/11/23 09:44	01/12/23 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	01/11/23 09:44	01/12/23 05:01	1
o-Terphenyl	107		70 - 130	01/11/23 09:44	01/12/23 05:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.1		5.01		mg/Kg			01/11/23 16:52	1

Client Sample ID: AH-3 (2-2.5')

Lab Sample ID: 890-3772-15

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 2 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.92		0.200		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
Toluene	30.8		0.403		mg/Kg		01/13/23 10:20	01/13/23 15:23	200
Ethylbenzene	16.2		0.200		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
m-Xylene & p-Xylene	40.2		0.399		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
o-Xylene	15.3		0.200		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
Xylenes, Total	55.5		0.399		mg/Kg		01/09/23 10:59	01/13/23 05:49	100

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-3 (2-2.5')

Lab Sample ID: 890-3772-15

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Sample Depth: 2 - 2.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	01/09/23 10:59	01/13/23 05:49	100
1,4-Difluorobenzene (Surr)	100		70 - 130	01/09/23 10:59	01/13/23 05:49	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	104		0.399		mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1070		49.8		mg/Kg			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	423		49.8		mg/Kg		01/11/23 09:47	01/13/23 00:26	1
Diesel Range Organics (Over C10-C28)	642	*1	49.8		mg/Kg		01/11/23 09:47	01/13/23 00:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/23 09:47	01/13/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	102		70 - 130	01/11/23 09:47	01/13/23 00:26	1			
o-Terphenyl	101		70 - 130	01/11/23 09:47	01/13/23 00:26	1			

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.97		mg/Kg			01/11/23 16:58	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-3772-1	H-1	74	91
890-3772-1 MS	H-1	116	89
890-3772-1 MSD	H-1	123	98
890-3772-2	H-2	97	89
890-3772-3	H-3	94	100
890-3772-4	H-4	97	91
890-3772-5	H-5	97	79
890-3772-6	H-6	97	93
890-3772-7	AH-1 (0-1')	150 S1+	103
890-3772-8	AH-1 (1-1.5')	117	109
890-3772-9	AH-1 (2-2.5')	103	92
890-3772-10	AH-2 (0-1')	111	81
890-3772-11	AH-2 (1-1.5')	70	92
890-3772-12	AH-2 (2-2.5')	98	85
890-3772-13	AH-3 (0-1')	212 S1+	98
890-3772-14	AH-3 (1-1.5')	133 S1+	108
890-3772-15	AH-3 (2-2.5')	144 S1+	100
890-3781-A-1-D MS	Matrix Spike	110	106
890-3781-A-1-E MSD	Matrix Spike Duplicate	108	104
890-3860-A-1-E MS	Matrix Spike	127	101
890-3860-A-1-F MSD	Matrix Spike Duplicate	114	99
LCS 880-43511/1-A	Lab Control Sample	110	100
LCS 880-43654/1-A	Lab Control Sample	108	103
LCS 880-44226/1-A	Lab Control Sample	89	104
LCSD 880-43511/2-A	Lab Control Sample Dup	93	106
LCSD 880-43654/2-A	Lab Control Sample Dup	102	104
LCSD 880-44226/2-A	Lab Control Sample Dup	112	99
MB 880-43511/5-A	Method Blank	85	87
MB 880-43542/5-A	Method Blank	76	84
MB 880-43654/5-A	Method Blank	106	103
MB 880-44226/5-A	Method Blank	82	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-23565-A-1-C MS	Matrix Spike	96	88
880-23565-A-1-D MSD	Matrix Spike Duplicate	85	77
890-3772-1	H-1	94	100
890-3772-1 MS	H-1	104	96
890-3772-1 MSD	H-1	107	98
890-3772-2	H-2	105	105
890-3772-3	H-3	122	123
890-3772-4	H-4	115	117

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Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3772-5	H-5	115	115
890-3772-6	H-6	121	118
890-3772-7	AH-1 (0-1')	112	121
890-3772-8	AH-1 (1-1.5')	116	122
890-3772-9	AH-1 (2-2.5')	103	109
890-3772-10	AH-2 (0-1')	112	118
890-3772-11	AH-2 (1-1.5')	101	107
890-3772-12	AH-2 (2-2.5')	94	99
890-3772-13	AH-3 (0-1')	119	101
890-3772-14	AH-3 (1-1.5')	116	107
890-3772-15	AH-3 (2-2.5')	102	101
890-3781-A-21-D MS	Matrix Spike	87	82
890-3781-A-21-E MSD	Matrix Spike Duplicate	105	94
LCS 880-43699/2-A	Lab Control Sample	105	100
LCS 880-43712/2-A	Lab Control Sample	103	99
LCS 880-43713/2-A	Lab Control Sample	125	108
LCSD 880-43699/3-A	Lab Control Sample Dup	120	109
LCSD 880-43712/3-A	Lab Control Sample Dup	121	108
LCSD 880-43713/3-A	Lab Control Sample Dup	101	85
MB 880-43699/1-A	Method Blank	164 S1+	153 S1+
MB 880-43712/1-A	Method Blank	130	133 S1+
MB 880-43713/1-A	Method Blank	140 S1+	123

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43511/5-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:59	01/12/23 21:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	01/09/23 10:59	01/12/23 21:55	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/09/23 10:59	01/12/23 21:55	1

Lab Sample ID: LCS 880-43511/1-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	0.100	0.1035		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09783		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1169		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-43511/2-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09524		mg/Kg		95	70 - 130	5	35
Toluene	0.100	0.09086		mg/Kg		91	70 - 130	13	35
Ethylbenzene	0.100	0.07835		mg/Kg		78	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.1642		mg/Kg		82	70 - 130	25	35
o-Xylene	0.100	0.09047		mg/Kg		90	70 - 130	25	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-3772-1 MS

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 43511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00565		0.0990	0.08747		mg/Kg		83	70 - 130
Toluene	0.00255		0.0990	0.08936		mg/Kg		88	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-3772-1 MS

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 43511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0990	0.07712		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.00520		0.198	0.1746		mg/Kg		86	70 - 130
o-Xylene	0.00475		0.0990	0.1009		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-3772-1 MSD

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 43511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00565		0.0998	0.09758		mg/Kg		92	70 - 130	11	35
Toluene	0.00255		0.0998	0.09709		mg/Kg		95	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0998	0.08848		mg/Kg		87	70 - 130	14	35
m-Xylene & p-Xylene	0.00520		0.200	0.1972		mg/Kg		96	70 - 130	12	35
o-Xylene	0.00475		0.0998	0.1134		mg/Kg		109	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-43542/5-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 12:55	01/12/23 11:20	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	01/09/23 12:55	01/12/23 11:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/09/23 12:55	01/12/23 11:20	1

Lab Sample ID: MB 880-43654/5-A

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/10/23 13:07	01/13/23 12:31	1

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-43654/5-A

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/10/23 13:07	01/13/23 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/10/23 13:07	01/13/23 12:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/10/23 13:07	01/13/23 12:31	1

Lab Sample ID: LCS 880-43654/1-A

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1099		mg/Kg		110	70 - 130
Toluene	0.100	0.1043		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130
o-Xylene	0.100	0.09906		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-43654/2-A

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43654

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	8	35
Toluene	0.100	0.09648		mg/Kg		96	70 - 130	8	35
Ethylbenzene	0.100	0.09355		mg/Kg		94	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1919		mg/Kg		96	70 - 130	8	35
o-Xylene	0.100	0.09158		mg/Kg		92	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-3781-A-1-D MS

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1069		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.0998	0.1005		mg/Kg		100	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.09709		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1998		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09520		mg/Kg		95	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-3781-A-1-D MS

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43654

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-3781-A-1-E MSD

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1072		mg/Kg		108	70 - 130	0	35
Toluene	<0.00200	U	0.0990	0.1018		mg/Kg		102	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0990	0.09867		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2033		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00200	U	0.0990	0.09649		mg/Kg		97	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-44226/5-A

Matrix: Solid

Analysis Batch: 44223

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/18/23 08:29	01/18/23 11:41	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	01/18/23 08:29	01/18/23 11:41	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/18/23 08:29	01/18/23 11:41	1

Lab Sample ID: LCS 880-44226/1-A

Matrix: Solid

Analysis Batch: 44223

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09903		mg/Kg		99	70 - 130
Toluene	0.100	0.09706		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.08273		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1705		mg/Kg		85	70 - 130
o-Xylene	0.100	0.09254		mg/Kg		93	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-44226/1-A

Matrix: Solid

Analysis Batch: 44223

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44226

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-44226/2-A

Matrix: Solid

Analysis Batch: 44223

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44226

			Spike	LCS	LCS						RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1030		mg/Kg		103		70 - 130	4	35
Toluene			0.100	0.1089		mg/Kg		109		70 - 130	12	35
Ethylbenzene			0.100	0.1053		mg/Kg		105		70 - 130	24	35
m-Xylene & p-Xylene			0.200	0.2353		mg/Kg		118		70 - 130	32	35
o-Xylene			0.100	0.1291		mg/Kg		129		70 - 130	33	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-3860-A-1-E MS

Matrix: Solid

Analysis Batch: 44223

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44226

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.09265		mg/Kg		94	70 - 130		
Toluene	<0.00201	U	0.0990	0.09939		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00201	U	0.0990	0.09605		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2160		mg/Kg		109	70 - 130		
o-Xylene	<0.00201	U	0.0990	0.1191		mg/Kg		120	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-3860-A-1-F MSD

Matrix: Solid

Analysis Batch: 44223

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 44226

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.101	0.08187		mg/Kg		81	70 - 130	12	35
Toluene	<0.00201	U	0.101	0.08779		mg/Kg		87	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.101	0.08013		mg/Kg		79	70 - 130	18	35
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1785		mg/Kg		89	70 - 130	19	35
o-Xylene	<0.00201	U	0.101	0.09776		mg/Kg		97	70 - 130	20	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-43699/1-A

Matrix: Solid

Analysis Batch: 43692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43699

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 08:04	01/11/23 08:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 08:04	01/11/23 08:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 08:04	01/11/23 08:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130	01/11/23 08:04	01/11/23 08:18	1
o-Terphenyl	153	S1+	70 - 130	01/11/23 08:04	01/11/23 08:18	1

Lab Sample ID: LCS 880-43699/2-A

Matrix: Solid

Analysis Batch: 43692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	923.6		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.1		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-43699/3-A

Matrix: Solid

Analysis Batch: 43692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43699

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	988.6		mg/Kg		99	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	999.2		mg/Kg		100	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-3772-1 MS

Matrix: Solid

Analysis Batch: 43692

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 43699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1094		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1047		mg/Kg		105	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-3772-1 MS

Matrix: Solid

Analysis Batch: 43692

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 43699

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-3772-1 MSD

Matrix: Solid

Analysis Batch: 43692

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 43699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1002		mg/Kg		101	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1085		mg/Kg		109	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-43712/1-A

Matrix: Solid

Analysis Batch: 43694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/11/23 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/11/23 19:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/11/23 19:58	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				01/11/23 09:44	01/11/23 19:58	1
1-Chlorooctane	130		70 - 130				01/11/23 09:44	01/11/23 19:58	1
o-Terphenyl	133	S1+	70 - 130				01/11/23 09:44	01/11/23 19:58	1

Lab Sample ID: LCS 880-43712/2-A

Matrix: Solid

Analysis Batch: 43694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.1		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	897.0		mg/Kg		90	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	99		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-43712/3-A

Matrix: Solid

Analysis Batch: 43694

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	849.2		mg/Kg		85	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130	16	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	121		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: 880-23565-A-1-C MS

Matrix: Solid

Analysis Batch: 43694

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	941.4		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1158		mg/Kg		114	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 880-23565-A-1-D MSD

Matrix: Solid

Analysis Batch: 43694

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1098		mg/Kg		107	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1006		mg/Kg		99	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	77		70 - 130								

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:47	01/12/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:47	01/12/23 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:47	01/12/23 19:44	1

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	140	S1+	70 - 130	01/11/23 09:47	01/12/23 19:44	1				
o-Terphenyl	123		70 - 130	01/11/23 09:47	01/12/23 19:44	1				

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1063		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	108		70 - 130								

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	978.4		mg/Kg		98	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)			1000	766.4	*1	mg/Kg		77	70 - 130	30	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	101		70 - 130									
o-Terphenyl	85		70 - 130									

Lab Sample ID: 890-3781-A-21-D MS

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43713

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	927.5		mg/Kg		89	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U *1	998	862.9		mg/Kg		86	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	87		70 - 130									
o-Terphenyl	82		70 - 130									

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-3781-A-21-E MSD

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1064		mg/Kg		103	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	997	993.4		mg/Kg		100	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	94		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43540/1-A

Matrix: Solid

Analysis Batch: 43613

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/11/23 13:38	1

Lab Sample ID: LCS 880-43540/2-A

Matrix: Solid

Analysis Batch: 43613

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-43540/3-A

Matrix: Solid

Analysis Batch: 43613

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-3772-7 MS

Matrix: Solid

Analysis Batch: 43613

Client Sample ID: AH-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54.5	F1	250	420.0	F1	mg/Kg		146	90 - 110

Lab Sample ID: 890-3772-7 MSD

Matrix: Solid

Analysis Batch: 43613

Client Sample ID: AH-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	54.5	F1	250	435.1	F1	mg/Kg		152	90 - 110	4	20

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC VOA

Prep Batch: 43511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	5035	
890-3772-2	H-2	Total/NA	Solid	5035	
890-3772-3	H-3	Total/NA	Solid	5035	
890-3772-4	H-4	Total/NA	Solid	5035	
890-3772-5	H-5	Total/NA	Solid	5035	
890-3772-6	H-6	Total/NA	Solid	5035	
890-3772-7	AH-1 (0-1')	Total/NA	Solid	5035	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	5035	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	5035	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	5035	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	5035	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	5035	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	5035	
MB 880-43511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3772-1 MS	H-1	Total/NA	Solid	5035	
890-3772-1 MSD	H-1	Total/NA	Solid	5035	

Prep Batch: 43542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43542/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	5035	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	5035	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	5035	
MB 880-43654/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43654/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43654/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3781-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3781-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8021B	43511
890-3772-2	H-2	Total/NA	Solid	8021B	43511
890-3772-3	H-3	Total/NA	Solid	8021B	43511
890-3772-4	H-4	Total/NA	Solid	8021B	43511
890-3772-5	H-5	Total/NA	Solid	8021B	43511
890-3772-6	H-6	Total/NA	Solid	8021B	43511
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8021B	43511
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8021B	43511
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8021B	43511
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8021B	43511
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8021B	43511

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43785 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8021B	43511
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8021B	43511
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8021B	43511
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8021B	43511
MB 880-43511/5-A	Method Blank	Total/NA	Solid	8021B	43511
MB 880-43542/5-A	Method Blank	Total/NA	Solid	8021B	43542
LCS 880-43511/1-A	Lab Control Sample	Total/NA	Solid	8021B	43511
LCSD 880-43511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43511
890-3772-1 MS	H-1	Total/NA	Solid	8021B	43511
890-3772-1 MSD	H-1	Total/NA	Solid	8021B	43511

Analysis Batch: 43863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	Total BTEX	
890-3772-2	H-2	Total/NA	Solid	Total BTEX	
890-3772-3	H-3	Total/NA	Solid	Total BTEX	
890-3772-4	H-4	Total/NA	Solid	Total BTEX	
890-3772-5	H-5	Total/NA	Solid	Total BTEX	
890-3772-6	H-6	Total/NA	Solid	Total BTEX	
890-3772-7	AH-1 (0-1')	Total/NA	Solid	Total BTEX	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	Total BTEX	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	Total BTEX	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 43866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8021B	43654
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8021B	43654
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8021B	43654
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8021B	43654
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8021B	43654
MB 880-43654/5-A	Method Blank	Total/NA	Solid	8021B	43654
LCS 880-43654/1-A	Lab Control Sample	Total/NA	Solid	8021B	43654
LCSD 880-43654/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43654
890-3781-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	43654
890-3781-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43654

Analysis Batch: 44223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8021B	44226
MB 880-44226/5-A	Method Blank	Total/NA	Solid	8021B	44226
LCS 880-44226/1-A	Lab Control Sample	Total/NA	Solid	8021B	44226
LCSD 880-44226/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44226
890-3860-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	44226
890-3860-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	44226

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC VOA

Prep Batch: 44226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-13	AH-3 (0-1')	Total/NA	Solid	5035	
MB 880-44226/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44226/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44226/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3860-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-3860-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 43692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8015B NM	43699
890-3772-2	H-2	Total/NA	Solid	8015B NM	43699
890-3772-3	H-3	Total/NA	Solid	8015B NM	43699
890-3772-4	H-4	Total/NA	Solid	8015B NM	43699
890-3772-5	H-5	Total/NA	Solid	8015B NM	43699
890-3772-6	H-6	Total/NA	Solid	8015B NM	43699
MB 880-43699/1-A	Method Blank	Total/NA	Solid	8015B NM	43699
LCS 880-43699/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43699
LCSD 880-43699/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43699
890-3772-1 MS	H-1	Total/NA	Solid	8015B NM	43699
890-3772-1 MSD	H-1	Total/NA	Solid	8015B NM	43699

Analysis Batch: 43694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8015B NM	43712
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8015B NM	43712
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8015B NM	43712
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8015B NM	43712
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8015B NM	43712
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	43712
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8015B NM	43712
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8015B NM	43712
MB 880-43712/1-A	Method Blank	Total/NA	Solid	8015B NM	43712
LCS 880-43712/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43712
LCSD 880-43712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43712
880-23565-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	43712
880-23565-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43712

Prep Batch: 43699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8015NM Prep	
890-3772-2	H-2	Total/NA	Solid	8015NM Prep	
890-3772-3	H-3	Total/NA	Solid	8015NM Prep	
890-3772-4	H-4	Total/NA	Solid	8015NM Prep	
890-3772-5	H-5	Total/NA	Solid	8015NM Prep	
890-3772-6	H-6	Total/NA	Solid	8015NM Prep	
MB 880-43699/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43699/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43699/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3772-1 MS	H-1	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 43699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1 MSD	H-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 43712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8015NM Prep	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-43712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23565-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-23565-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 43713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-43713/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43713/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3781-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3781-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8015 NM	
890-3772-2	H-2	Total/NA	Solid	8015 NM	
890-3772-3	H-3	Total/NA	Solid	8015 NM	
890-3772-4	H-4	Total/NA	Solid	8015 NM	
890-3772-5	H-5	Total/NA	Solid	8015 NM	
890-3772-6	H-6	Total/NA	Solid	8015 NM	
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8015 NM	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8015 NM	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8015 NM	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8015 NM	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8015 NM	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8015 NM	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8015 NM	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8015 NM	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 43779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8015B NM	43713
MB 880-43713/1-A	Method Blank	Total/NA	Solid	8015B NM	43713
LCS 880-43713/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43713
LCSD 880-43713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43713

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3781-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43713
890-3781-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43713

HPLC/IC

Leach Batch: 43540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Soluble	Solid	DI Leach	
890-3772-2	H-2	Soluble	Solid	DI Leach	
890-3772-3	H-3	Soluble	Solid	DI Leach	
890-3772-4	H-4	Soluble	Solid	DI Leach	
890-3772-5	H-5	Soluble	Solid	DI Leach	
890-3772-6	H-6	Soluble	Solid	DI Leach	
890-3772-7	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-3772-8	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
890-3772-9	AH-1 (2-2.5')	Soluble	Solid	DI Leach	
890-3772-10	AH-2 (0-1')	Soluble	Solid	DI Leach	
890-3772-11	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3772-12	AH-2 (2-2.5')	Soluble	Solid	DI Leach	
890-3772-13	AH-3 (0-1')	Soluble	Solid	DI Leach	
890-3772-14	AH-3 (1-1.5')	Soluble	Solid	DI Leach	
890-3772-15	AH-3 (2-2.5')	Soluble	Solid	DI Leach	
MB 880-43540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3772-7 MS	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-3772-7 MSD	AH-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 43613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Soluble	Solid	300.0	43540
890-3772-2	H-2	Soluble	Solid	300.0	43540
890-3772-3	H-3	Soluble	Solid	300.0	43540
890-3772-4	H-4	Soluble	Solid	300.0	43540
890-3772-5	H-5	Soluble	Solid	300.0	43540
890-3772-6	H-6	Soluble	Solid	300.0	43540
890-3772-7	AH-1 (0-1')	Soluble	Solid	300.0	43540
890-3772-8	AH-1 (1-1.5')	Soluble	Solid	300.0	43540
890-3772-9	AH-1 (2-2.5')	Soluble	Solid	300.0	43540
890-3772-10	AH-2 (0-1')	Soluble	Solid	300.0	43540
890-3772-11	AH-2 (1-1.5')	Soluble	Solid	300.0	43540
890-3772-12	AH-2 (2-2.5')	Soluble	Solid	300.0	43540
890-3772-13	AH-3 (0-1')	Soluble	Solid	300.0	43540
890-3772-14	AH-3 (1-1.5')	Soluble	Solid	300.0	43540
890-3772-15	AH-3 (2-2.5')	Soluble	Solid	300.0	43540
MB 880-43540/1-A	Method Blank	Soluble	Solid	300.0	43540
LCS 880-43540/2-A	Lab Control Sample	Soluble	Solid	300.0	43540
LCSD 880-43540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43540
890-3772-7 MS	AH-1 (0-1')	Soluble	Solid	300.0	43540
890-3772-7 MSD	AH-1 (0-1')	Soluble	Solid	300.0	43540

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-1
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 22:17
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 10:56
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 14:47

Client Sample ID: H-2
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 22:37
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 12:02
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:06

Client Sample ID: H-3
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 22:58
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 12:24
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:12

Client Sample ID: H-4
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 23:18
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-4

Lab Sample ID: 890-3772-4

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 12:47
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:18

Client Sample ID: H-5

Lab Sample ID: 890-3772-5

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 23:39
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 13:09
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:24

Client Sample ID: H-6

Lab Sample ID: 890-3772-6

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 23:59
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 13:32
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:30

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-3772-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 00:19
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 02:31

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-3772-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:36

Client Sample ID: AH-1 (1-1.5')

Lab Sample ID: 890-3772-8

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		10	43866	MNR	EET MID	01/13/23 14:01
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 00:40
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 02:53
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:03

Client Sample ID: AH-1 (2-2.5')

Lab Sample ID: 890-3772-9

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		10	43866	MNR	EET MID	01/13/23 14:22
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 01:00
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 03:14
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:09

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-3772-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 01:21
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-2 (0-1')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 03:36
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:27

Client Sample ID: AH-2 (1-1.5')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 02:44
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 03:58
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:33

Client Sample ID: AH-2 (2-2.5')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 03:04
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 04:19
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:40

Client Sample ID: AH-3 (0-1')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		250	43866	MNR	EET MID	01/13/23 14:42
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		100	43785	MNR	EET MID	01/13/23 05:07
Total/NA	Prep	5035			44226	MNR	EET MID	01/18/23 08:29
Total/NA	Analysis	8021B		1000	44223	MNR	EET MID	01/18/23 15:20
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-3 (0-1')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 04:40
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:46

Client Sample ID: AH-3 (1-1.5')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		200	43866	MNR	EET MID	01/13/23 15:02
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		100	43785	MNR	EET MID	01/13/23 05:28
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 05:01
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:52

Client Sample ID: AH-3 (2-2.5')
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		200	43866	MNR	EET MID	01/13/23 15:23
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		100	43785	MNR	EET MID	01/13/23 05:49
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/13/23 12:46
Total/NA	Prep	8015NM Prep			43713	DM	EET MID	01/11/23 09:47
Total/NA	Analysis	8015B NM		1	43779	AJ	EET MID	01/13/23 00:26
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:58

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3772-1	H-1	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-2	H-2	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-3	H-3	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-4	H-4	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-5	H-5	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-6	H-6	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-7	AH-1 (0-1')	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-8	AH-1 (1-1.5')	Solid	01/05/23 00:00	01/05/23 13:41	0 - 1
890-3772-9	AH-1 (2-2.5')	Solid	01/05/23 00:00	01/05/23 13:41	1 - 1.5
890-3772-10	AH-2 (0-1')	Solid	01/05/23 00:00	01/05/23 13:41	2 - 2.5
890-3772-11	AH-2 (1-1.5')	Solid	01/05/23 00:00	01/05/23 13:41	0 - 3.5
890-3772-12	AH-2 (2-2.5')	Solid	01/05/23 00:00	01/05/23 13:41	1 - 4.5
890-3772-13	AH-3 (0-1')	Solid	01/05/23 00:00	01/05/23 13:41	0 - 1
890-3772-14	AH-3 (1-1.5')	Solid	01/05/23 00:00	01/05/23 13:41	1 - 1.5
890-3772-15	AH-3 (2-2.5')	Solid	01/05/23 00:00	01/05/23 13:41	2 - 2.5

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W. Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4550
Fax (432) 682-3846

Client Name:

Site Manager:

Br. Hays

Project Name:

Project #:

212C-MD-02458

Project Location:

Project #:

212C-MD-02458

Invoice to:

Project #:

212C-MD-02458

Receiving Laboratory:

Sampler Signature:

Handwritten signature

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME		WATER	SOIL	HCL		
	H-1	1/5/23			X				
	H-2								
	H-3								
	H-4								
	H-5								
	H-6								
	AH-1 (0-1)								
	AH-1 (1-1.5)								
	AH-1 (2-2.5)								
	AH-2 (0-1)								

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	

Hold

Relinquished by:

Received by:

Handwritten signature

LAB USE ONLY

REMARKS:

Standard TAT

Relinquished by:

Received by:

Handwritten signature

LAB USE ONLY

REMARKS:

Standard TAT

Relinquished by:

Received by:

Handwritten signature

LAB USE ONLY

REMARKS:

Standard TAT

890-3772 Chain of Custody

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record

Page 2 of 2



Tetra Tech, Inc.

 801 W. Wall Street, Ste. 100
 Madison, Texas 78701
 Tel (432) 882-4559
 Fax (432) 882-3946

Client Name: EOH		Site Manager: Brittany Lewis	
Project Name: Levey Calhoun CTB		Project #: 2124-MD-02458	
Project Location: Lea County, NM			
Invoice to: EOH HAN: Todd Wells			
Receiving Laboratory: Euclides		Sampler Signature: <i>[Signature]</i>	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)
		YEAR	DATE	TIME	WATER	SOIL	HCL			
	AH-2 (1-1.5')		11/5/23		X		X			X BTEX 8021B BTEX 8260B
	AH-2 (2-2.5')									X TPH TX1005 (Ext to C35)
	AH-3 (0-1')									X TPH 8015M (GRO - DRO - ORO - MRO)
	AH-3 (1-1.5')									PAH 8270C
	AH-3 (2-2.5')									Total Metals Ag As Ba Cd Cr Pb Se Hg
										TCLP Metals Ag As Ba Cd Cr Pb Se Hg
										TCLP Volatiles
										TCLP Semi Volatiles
										RCI
										GC/MS Vol. 8260B / 624
										GC/MS Semi. Vol. 8270C/625
										PCB's 8082 / 608
										NORM
										PLM (Asbestos)
										Chloride
										Chloride Sulfate TDS
										General Water Chemistry (see attached list)
										Anion/Cation Balance
										Hold

Relinquished by: <i>[Signature]</i> Date: 11/5/23 Time:	Received by: <i>[Signature]</i> Date: 11-5-23 Time: 134
Relinquished by: _____ Date: _____ Time: _____	Received by: _____ Date: _____ Time: _____

LAB USE ONLY	REMARKS: Standard TAT
<input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr	
<input type="checkbox"/> Rush Charges Authorized	
<input type="checkbox"/> Special Report Limits or TRRP Report	

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3772-1

SDG Number: Lea County NM

Login Number: 3772

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3772-1

SDG Number: Lea County NM

Login Number: 3772

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/09/23 08:26 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 15, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EOG - CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 1 (1.5') (H233073-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	89.9	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	18.4	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 2 (1.5') (H233073-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	102	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	23.9	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 3 (2.5') (H233073-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	88.6	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	36.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 1 (H233073-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 2 (H233073-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	30.2	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 3 (H233073-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 4 (H233073-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 5 (H233073-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 6 (H233073-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 7 (H233073-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	15.1	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 8 (H233073-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/15/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	16.8	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, S. 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG

Site Manager: Brittany Long

Project Name: Convo Central CTB

(432) 741-5813

Brittany.Long@tetratech.com

Project Location: Lea County, NM

212C-MD-02958

Invoice to: Attn: Todd Wells

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

SAMPLE IDENTIFICATION

LAB #
(LAB USE ONLY)

YEAR: 2023	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	# CONTAINERS	FILTERED (Y/N)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	

Hold

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by: *Todd Wells*

Date: 6/14/2023

Time: 1635

Relinquished by: *Brittany Long*

Date: 6/14/23

Time: 1635

Relinquished by:

Date:

Time:

Date:

Time:

LAB USE ONLY

REMARKS: Standard TAT

Sample Temperature

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

[illegible]

Page 15 of 15



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 16, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/15/23 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 9 (H233095-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.36	118	2.00	1.57	
Toluene*	<0.050	0.050	06/15/2023	ND	2.19	110	2.00	0.122	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.17	108	2.00	0.913	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.50	108	6.00	0.509	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	226	113	200	4.96	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	208	104	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 06/15/2023
 Reported: 06/16/2023
 Project Name: CONVOY CENTRAL CTB
 Project Number: 212C-MD-02958
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (H233095-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.36	118	2.00	1.57	
Toluene*	<0.050	0.050	06/15/2023	ND	2.19	110	2.00	0.122	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.17	108	2.00	0.913	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.50	108	6.00	0.509	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/15/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	226	113	200	4.96	
DRO >C10-C28*	27.6	10.0	06/15/2023	ND	208	104	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 11 (H233095-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2023	ND	2.36	118	2.00	1.57		
Toluene*	<0.050	0.050	06/16/2023	ND	2.19	110	2.00	0.122		
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.17	108	2.00	0.913		
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.50	108	6.00	0.509		
Total BTX	<0.300	0.300	06/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	226	113	200	4.96	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	208	104	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 20, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 1 (1.75') (H233161-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/20/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	368	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	147	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 2 (1.75') (H233161-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248		
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23		
Total BTEX	<0.300	0.300	06/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/20/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 3 (2.75') (H233161-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248		
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23		
Total BTEX	<0.300	0.300	06/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/20/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	12.3	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 4 (1.75') (H233161-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248		
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23		
Total BTEX	<0.300	0.300	06/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/20/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	47.1	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	14.2	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech		BILL TO		ANALYSIS REQUEST																							
Project Manager: Brittany Long		P.O. #:																									
Address: 901 W. Mall St.		Company: EOG Resources																									
City: Midland		Attn: Todd Wells																									
State: TX Zip: 79701		Address:																									
Phone #:		City:																									
Fax #:		State:																									
Project #: 212C-MD-02958		Zip:																									
Project Name: Conroy Central CTR Release		Phone #:																									
Project Location: Lea County, NM		Fax #:																									
Sampler Name: Ivan Ramos																											
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING											
H233161		BH-1 (1.75')		1		↑		X		↑		X		6/19/23		9:30											
1		BH-2 (1.75')		2		↑		X		↑		X		6/19/23		9:45											
2		BH-3 (2.75')		3		↑		X		↑		X		6/19/23		10:15											
3		BH-4 (1.75')		4		↑		X		↑		X		6/19/23		10:45											
4																											
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Relinquished By: Ivan Ramos														Date: 6-19-23		Time: 14:20		Received By: [Signature]									
Relinquished By: [Signature]														Date:		Time:		Received By:									
Delivered By: (Circle One)		Observed Temp. °C		0.7		Sample Condition		Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials)		90.		Turnaround Time:		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		0.1		Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>										Cool Intact		Observed Temp. °C		Corrected Temp. °C			

FORM 006 R 3.3 07/16/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 28, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL RELEASE 2

Enclosed are the results of analyses for samples received by the laboratory on 06/23/23 14:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 6 (0-1') (H233286-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	382	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	109	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 7 (0-1') (H233286-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95		
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8260	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	2820	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	859	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 8 (0-1') (H233286-03)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	0.141	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	0.532	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	2.86	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	3.53	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 170 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	218	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	17900	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	3390	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 438 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 1 (3-3.5') (H233286-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95		
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172		
Total BTEX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 2 (0-1') (H233286-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95		
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172		
Total BTEX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	06/26/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	580	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	133	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 2 (1-1.5') (H233286-06)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95		
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	352	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	74.5	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 2 (2-2.5') (H233286-07)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95		
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 2 (3-3.5') (H233286-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95		
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	89.6	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	13.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 3 (0-1') (H233286-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	4350	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	1080	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 155 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 4 (0-1') (H233286-10)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5400	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	570	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	182	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 4 (1-1.5') (H233286-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	262	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	84.2	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 4 (2-2.5') (H233286-12)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTEX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 5 (0-1') (H233286-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24400	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	3940	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	989	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (H233286-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (H233286-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (H233286-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEx	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (H233286-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEx	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 (H233286-18)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTEX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 06/23/2023
 Reported: 06/28/2023
 Project Name: CONVOY CENTRAL RELEASE 2
 Project Number: 212C-MD-02958
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 (H233286-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 (H233286-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEx	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 1 (0-1') (H233286-21)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	13.1	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 1 (1-1.5') (H233286-22)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 06/23/2023
Reported: 06/28/2023
Project Name: CONVOY CENTRAL RELEASE 2
Project Number: 212C-MD-02958
Project Location: EOG - LEA COUNTY, NM

Sampling Date: 06/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: AH - 1 (2-2.5') (H233286-23)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00		
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16		
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07		
Total BTEX	<0.300	0.300	06/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

EOG

Site Manager:

Brittany Long

Project Name:

Convoy Central Release 2

(432) 741-5813

Brittany.Long@tetratech.com

Project Location:
(county, state)

Lea County, NM

Project #:

212C-MD-02958

Invoice to:

Attn: Todd Wells

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

LAB #
LAB USE ONLY

SAMPLE IDENTIFICATION

YEAR: 2023	DATE	TIME	SAMPLING		MATRIX	PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
			WATER	SOIL	HCL	HNO ₃	ICE				

1
2
3

AH-6 (0-1)
AH-7 (0-1)
AH-8 (0-1)

6/21/2023
6/21/2023
6/21/2023

X
X
X

X
X
X

X
X
X

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

Standard TAT

Sample Temperature

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ANALYSIS REQUEST
(Circle or Specify Method No.)

Hold

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 862-4559
Fax (432) 862-3946

Client Name:

EOG

Site Manager:

Brittany Long

Project Name:

Convoy Central Release 2

(432) 741-5813

Brittany.Long@tetratech.com

Project Location:

Lea County, NM

Project #:

212C-MD-02958

Invoice to:

Attn: Todd Wells

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

LAB #
(LAB USE ONLY)

SAMPLE IDENTIFICATION

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		YEAR 2023	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
4	AH-1 (3-3.5')		6/21/2023		X			X			
5	AH-2 (0-1')		6/21/2023		X			X			
6	AH-2 (1-1.5')		6/21/2023		X			X			
7	AH-2 (2-2.5')		6/21/2023		X			X			
8	AH-2 (3-3.5')		6/21/2023		X			X			
9	AH-3 (0-1')		6/21/2023		X			X			
10	AH-4 (0-1')		6/21/2023		X			X			
11	AH-4 (1-1.5')		6/21/2023		X			X			
12	AH-4 (2-2.5')		6/21/2023		X			X			
13	AH-5 (0-1')		6/21/2023		X			X			

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

ANALYSIS REQUEST

(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Hold	

LAB USE ONLY

REMARKS:

Standard TAT

Sample Temperature

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Brittany Long

(432) 741-5813

Brittany.long@tetratech.com

212C-MD-02958

Attn: Todd Wells

Cardinal Labs

Jorge Fernandez

SAMPLE IDENTIFICATION

SAMPLING		YEAR: 2023
DATE	TIME	

WATER
SOIL
HCL
HNO ₃
ICE

CONTAINERS

FILTERED (Y/N)

BTEX 8021B	BTEX 8260B
------------	------------

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals	Ag	As	Ba	Cd	Cr	Pb	Se	Hg
--------------	----	----	----	----	----	----	----	----

TCLP Metals	Ag	As	Ba	Cd	Cr	Pb	Se	Hg
-------------	----	----	----	----	----	----	----	----

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

	NORM
--	------

PLM (Asbestos)

Chloride	
----------	--

Chloride	Sulfate	TDS
----------	---------	-----

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST
(Circle or Specify Method No.)

Page 28 of 28

Date: Time:

Date: Time:

Date: Time:

Sample Temperature

RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

LAB USE
ONLY

REMARKS: Standard TAT

☒ HAND DELIVERED ☐ FEDEX ☐ UPS Tracking # _____

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 28, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/23/23 14:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 1 (2.0') (H233287-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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(Circle or Specify Method No.)

Date: Time:

☐ Special Report Limits or TRRP Report

(Circle) ☒ HAND DELIVERED ☐ FEDEX ☐ UPS Tracking #:

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 17, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/12/23 17:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1	H233581-01	Soil	11-Jul-23 13:00	12-Jul-23 17:09
SW - 2	H233581-02	Soil	11-Jul-23 13:15	12-Jul-23 17:09
SW - 3	H233581-03	Soil	11-Jul-23 13:30	12-Jul-23 17:09
SW - 4	H233581-04	Soil	11-Jul-23 13:45	12-Jul-23 17:09
SW - 5	H233581-05	Soil	11-Jul-23 14:00	12-Jul-23 17:09
SW - 6	H233581-06	Soil	11-Jul-23 14:15	12-Jul-23 17:09
SW - 7	H233581-07	Soil	12-Jul-23 14:30	12-Jul-23 17:09
SW - 8	H233581-08	Soil	12-Jul-23 07:30	12-Jul-23 17:09
SW - 9	H233581-09	Soil	12-Jul-23 07:45	12-Jul-23 17:09
SW - 10	H233581-10	Soil	12-Jul-23 08:00	12-Jul-23 17:09
SW - 11	H233581-11	Soil	12-Jul-23 08:15	12-Jul-23 17:09
SW - 12	H233581-12	Soil	12-Jul-23 08:30	12-Jul-23 17:09
SW - 13	H233581-13	Soil	12-Jul-23 08:45	12-Jul-23 17:09
SW - 14	H233581-14	Soil	12-Jul-23 09:00	12-Jul-23 17:09
BH - 1 (1')	H233581-15	Soil	12-Jul-23 09:15	12-Jul-23 17:09
BH - 2 (1')	H233581-16	Soil	12-Jul-23 09:30	12-Jul-23 17:09
BH - 3 (3')	H233581-17	Soil	12-Jul-23 09:45	12-Jul-23 17:09
BH - 4 (3')	H233581-18	Soil	12-Jul-23 10:15	12-Jul-23 17:09
BH - 5 (3')	H233581-19	Soil	12-Jul-23 10:30	12-Jul-23 17:09
BH - 6 (3')	H233581-20	Soil	12-Jul-23 10:45	12-Jul-23 17:09
BH - 7 (3')	H233581-21	Soil	12-Jul-23 11:00	12-Jul-23 17:09
BH - 8 (3')	H233581-22	Soil	12-Jul-23 11:30	12-Jul-23 17:09
BH - 9 (3')	H233581-23	Soil	12-Jul-23 13:00	12-Jul-23 17:09
BH - 10 (2')	H233581-24	Soil	12-Jul-23 13:15	12-Jul-23 17:09
BH - 11 (2')	H233581-25	Soil	12-Jul-23 13:30	12-Jul-23 17:09
BH - 12 (2')	H233581-26	Soil	12-Jul-23 13:45	12-Jul-23 17:09
BH - 13 (2')	H233581-27	Soil	12-Jul-23 14:00	12-Jul-23 17:09

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 14 (3')

H233581-28

Soil

12-Jul-23 14:30

12-Jul-23 17:09

07/17/23 - Client added BTEX to all samples (see COC). This is the revised report and will replace the one sent on 07/14/23.

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A handwritten signature in black ink, appearing to read "C. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 1**H233581-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 2**H233581-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			114 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			125 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 3**H233581-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134 3071412 MS 14-Jul-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane 114 % 48.2-134 3071320 MS 13-Jul-23 8015B

Surrogate: 1-Chlorooctadecane 124 % 49.1-148 3071320 MS 13-Jul-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 4**H233581-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 5**H233581-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			115 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			124 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 6**H233581-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			119 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			128 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 7**H233581-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 3071412 MS 14-Jul-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane 109 % 48.2-134 3071320 MS 13-Jul-23 8015B

Surrogate: 1-Chlorooctadecane 117 % 49.1-148 3071320 MS 13-Jul-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 8**H233581-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 9**H233581-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			111 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 10**H233581-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			114 %		48.2-134	3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			122 %		49.1-148	3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 11**H233581-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 3071412 MS 14-Jul-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane 120 % 48.2-134 3071320 MS 13-Jul-23 8015B

Surrogate: 1-Chlorooctadecane 128 % 49.1-148 3071320 MS 13-Jul-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 12**H233581-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			114 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			123 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 13**H233581-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			114 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			122 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

SW - 14**H233581-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			120 %		48.2-134	3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			130 %		49.1-148	3071320	MS	13-Jul-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 1 (1')**H233581-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			113 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			120 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 2 (1')**H233581-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3071320	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3071320	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 3 (3')**H233581-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	

Surrogate: 1-Chlorooctane			103 %	48.2-134		3071320	MS	14-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3071320	MS	14-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 4 (3')**H233581-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	

Surrogate: 1-Chlorooctane			110 %	48.2-134		3071320	MS	14-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3071320	MS	14-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 5 (3')**H233581-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3071412	MS	14-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3071320	MS	14-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		3071320	MS	14-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 6 (3')**H233581-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3071412	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3071412	MS	15-Jul-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B

Surrogate: 1-Chlorooctane	103 %	48.2-134	3071320	MS	14-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	111 %	49.1-148	3071320	MS	14-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 7 (3')**H233581-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3071413	MS	15-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			90.9 %	48.2-134		3071251	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.9 %	49.1-148		3071251	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 8 (3')**H233581-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3071413	MS	15-Jul-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B
DRO >C10-C28*	77.9	10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B
EXT DRO >C28-C36	27.3	10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B

Surrogate: 1-Chlorooctane	103 %	48.2-134	3071251	MS	13-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	120 %	49.1-148	3071251	MS	13-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 9 (3')**H233581-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3071413	MS	15-Jul-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B

Surrogate: 1-Chlorooctane	101 %	48.2-134	3071251	MS	13-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	113 %	49.1-148	3071251	MS	13-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 10 (2')**H233581-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3071413	MS	15-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	12.2		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			97.2 %	48.2-134		3071251	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		3071251	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 11 (2')**H233581-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	560		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3071413	MS	15-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	26.4		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			93.0 %		48.2-134	3071251	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			113 %		49.1-148	3071251	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 12 (2')**H233581-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3071413	MS	15-Jul-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	

Surrogate: 1-Chlorooctane			103 %	48.2-134		3071251	MS	13-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			122 %	49.1-148		3071251	MS	13-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 13 (2')**H233581-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3071413	MS	15-Jul-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B

Surrogate: 1-Chlorooctane	97.1 %	48.2-134	3071302	MS	13-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	113 %	49.1-148	3071302	MS	13-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

BH - 14 (3')**H233581-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.4 %	71.5-134	3071413	MS	15-Jul-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B

Surrogate: 1-Chlorooctane	96.4 %	48.2-134	3071302	MS	13-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	111 %	49.1-148	3071302	MS	13-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3071350 - 1:4 DI Water**Blank (3071350-BLK1)**

Prepared & Analyzed: 13-Jul-23

Chloride	ND	16.0	mg/kg						
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LCS (3071350-BS1)

Prepared & Analyzed: 13-Jul-23

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (3071350-BSD1)

Prepared & Analyzed: 13-Jul-23

Chloride	448	16.0	mg/kg	400	112	80-120	3.64	20	
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Batch 3071351 - 1:4 DI Water**Blank (3071351-BLK1)**

Prepared & Analyzed: 13-Jul-23

Chloride	ND	16.0	mg/kg						
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LCS (3071351-BS1)

Prepared & Analyzed: 13-Jul-23

Chloride	400	16.0	mg/kg	400	100	80-120			
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LCS Dup (3071351-BSD1)

Prepared & Analyzed: 13-Jul-23

Chloride	432	16.0	mg/kg	400	108	80-120	7.69	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3071412 - Volatiles**Blank (3071412-BLK1)**

Prepared & Analyzed: 14-Jul-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0536		mg/kg	0.0500		107	71.5-134			

LCS (3071412-BS1)

Prepared & Analyzed: 14-Jul-23

Benzene	2.14	0.050	mg/kg	2.00		107	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	4.26	0.100	mg/kg	4.00		106	89-129			
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.30	0.150	mg/kg	6.00		105	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0537		mg/kg	0.0500		107	71.5-134			

LCS Dup (3071412-BSD1)

Prepared & Analyzed: 14-Jul-23

Benzene	2.13	0.050	mg/kg	2.00		107	82.8-130	0.601	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	2.79	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	1.61	16	
m,p-Xylene	4.28	0.100	mg/kg	4.00		107	89-129	0.673	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	0.282	16.7	
Total Xylenes	6.32	0.150	mg/kg	6.00		105	88.2-128	0.364	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

Batch 3071413 - Volatiles**Blank (3071413-BLK1)**

Prepared: 14-Jul-23 Analyzed: 15-Jul-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3071413 - Volatiles**Blank (3071413-BLK1)**

Prepared: 14-Jul-23 Analyzed: 15-Jul-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			

LCS (3071413-BS1)

Prepared: 14-Jul-23 Analyzed: 15-Jul-23

Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130			
Toluene	1.98	0.050	mg/kg	2.00		98.8	86-128			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.6	85.9-128			
m,p-Xylene	3.83	0.100	mg/kg	4.00		95.8	89-129			
o-Xylene	1.88	0.050	mg/kg	2.00		94.1	86.1-125			
Total Xylenes	5.71	0.150	mg/kg	6.00		95.2	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0485		mg/kg	0.0500		97.0	71.5-134			

LCS Dup (3071413-BS1)

Prepared: 14-Jul-23 Analyzed: 15-Jul-23

Benzene	2.03	0.050	mg/kg	2.00		101	82.8-130	0.399	15.8	
Toluene	1.97	0.050	mg/kg	2.00		98.6	86-128	0.184	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	85.9-128	1.21	16	
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.7	89-129	1.97	16.2	
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	86.1-125	2.33	16.7	
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	88.2-128	2.09	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.7	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3071251 - General Prep - Organics**Blank (3071251-BLK1)**

Prepared: 12-Jul-23 Analyzed: 13-Jul-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	41.2		mg/kg	49.6		83.2	48.2-134		
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.4	49.1-148		

LCS (3071251-BS1)

Prepared: 12-Jul-23 Analyzed: 13-Jul-23

GRO C6-C10	201	10.0	mg/kg	200		101	66.4-123		
DRO >C10-C28	214	10.0	mg/kg	200		107	66.5-118		
Total TPH C6-C28	416	10.0	mg/kg	400		104	77.6-123		
Surrogate: 1-Chlorooctane	57.6		mg/kg	49.6		116	48.2-134		
Surrogate: 1-Chlorooctadecane	67.1		mg/kg	50.0		134	49.1-148		

LCS Dup (3071251-BS1)

Prepared: 12-Jul-23 Analyzed: 13-Jul-23

GRO C6-C10	183	10.0	mg/kg	200		91.3	66.4-123	9.76	17.7
DRO >C10-C28	195	10.0	mg/kg	200		97.3	66.5-118	9.63	21
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	77.6-123	9.70	18.5
Surrogate: 1-Chlorooctane	57.7		mg/kg	49.6		116	48.2-134		
Surrogate: 1-Chlorooctadecane	73.4		mg/kg	50.0		147	49.1-148		

Batch 3071302 - General Prep - Organics**Blank (3071302-BLK1)**

Prepared & Analyzed: 13-Jul-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	71.3		mg/kg	49.6		144	48.2-134		S-04
Surrogate: 1-Chlorooctadecane	88.8		mg/kg	50.0		178	49.1-148		S-04

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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3071302 - General Prep - Organics**LCS (3071302-BS1)**

Prepared & Analyzed: 13-Jul-23

GRO C6-C10	189	10.0	mg/kg	200		94.6	66.4-123			
DRO >C10-C28	223	10.0	mg/kg	200		112	66.5-118			
Total TPH C6-C28	413	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	46.0		mg/kg	49.6		92.9	48.2-134			
Surrogate: 1-Chlorooctadecane	49.0		mg/kg	50.0		98.1	49.1-148			

LCS Dup (3071302-BS1)

Prepared & Analyzed: 13-Jul-23

GRO C6-C10	220	10.0	mg/kg	200		110	66.4-123	15.3	17.7	
DRO >C10-C28	224	10.0	mg/kg	200		112	66.5-118	0.285	21	
Total TPH C6-C28	445	10.0	mg/kg	400		111	77.6-123	7.47	18.5	
Surrogate: 1-Chlorooctane	45.6		mg/kg	49.6		92.0	48.2-134			
Surrogate: 1-Chlorooctadecane	48.7		mg/kg	50.0		97.5	49.1-148			

Batch 3071320 - General Prep - Organics**Blank (3071320-BLK1)**

Prepared & Analyzed: 13-Jul-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.5		mg/kg	49.6		112	48.2-134			
Surrogate: 1-Chlorooctadecane	60.4		mg/kg	50.0		121	49.1-148			

LCS (3071320-BS1)

Prepared: 13-Jul-23 Analyzed: 14-Jul-23

GRO C6-C10	212	10.0	mg/kg	200		106	66.4-123			
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118			
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123			
Surrogate: 1-Chlorooctane	59.5		mg/kg	49.6		120	48.2-134			
Surrogate: 1-Chlorooctadecane	70.1		mg/kg	50.0		140	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: CONVOY CENTRAL CTB
Project Number: 212C-MD-02958
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
17-Jul-23 08:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3071320 - General Prep - Organics**LCS Dup (3071320-BSD1)**

Prepared & Analyzed: 13-Jul-23

GRO C6-C10	215	10.0	mg/kg	200		108	66.4-123	1.41	17.7	
DRO >C10-C28	213	10.0	mg/kg	200		107	66.5-118	1.28	21	
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123	0.0621	18.5	
Surrogate: 1-Chlorooctane	64.2		mg/kg	49.6		130	48.2-134			
Surrogate: 1-Chlorooctadecane	73.0		mg/kg	50.0		146	49.1-148			

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St. City: Midland State: TX Zip: 79701 Phone #: Fax #: Project #: 212C-MD-02958 Project Owner: Project Name: Conway CTB Release Project Location: Lea County, NM Sampler Name: Ivan Ramon		P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D.		ANALYSIS REQUEST	
Sample I.D.		DATE TIME	
1 HB3 3581 SW-1 2 SW-2 3 SW-3 4 SW-4 5 SW-5 6 SW-6 7 SW-7 8 SW-8 9 SW-9 10 SW-10		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
1 2 3 4 5 6 7 8 9 10		7/11/23 13:00 7/11/23 13:15 7/11/23 13:30 7/11/23 13:45 7/11/23 14:00 7/11/23 14:15 7/11/23 14:30 7/11/23 14:45 7/11/23 15:00	
TPH 8015 (GRS + DRG + ORG) Chlorides BTEX added 7/14/23		X X X	
Relinquished By: Ivan Ramon Date: 8-12-23 Time: 1709		Received By: [Signature] Date: 8-12-23 Time: 1709	
Delivered By: (Circle One) Sample - UPS - Bus - Other:		Observed Temp. °C 11.4 Corrected Temp. °C	
Sample - UPS - Bus - Other:		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Thermometer ID # 140 Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Correction Factor 0.00		Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Observed Temp. °C No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C	
REMARKS:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
All Results are emailed. Please provide Email address:		Correction Factor 0.00	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #: Project #: 212C-MD-0958 Project Owner: Project Name: Conway CTB Release Project Location: Lea County NM Sampler Name: Ivan Ramon FOR LAB USE ONLY		P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. H233581 11 12 13 14 15 16 17 18 19 20		Sample I.D. SW-11 SW-12 SW-13 SW-14 BH-1 (1) BH-2 (1) BH-3 (3) BH-4 (3) BH-5 (3) BH-6 (3)	
DATE 7/12/23 TIME 8:15 8:30 8:45 9:00 9:15 9:30 9:45 10:15 10:30 10:45		ANALYSIS REQUEST TPH 8015 (GRO+DRO+ORO) Chlorides BTEX added 7/14/23	
PLATE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Relinquished By: Ivan Ramon Date: 7-12-2023 Time: 7:09 Received By: [Signature] Date: Time: REMARKS:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 4.4 Corrected Temp. °C Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: [Signature] Turnaround Time: #140 Rush 24 hrs 7/12/23 Thermometer ID #44 Correction Factor -0.0°C Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C Corrected Temp. °C	

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #: Project #: 212C-MD-08958 Project Owner: Project Name: Convey CTB Release Project Location: Lea County, NM Sample Name: Ivan Rends		P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D.		ANALYSIS REQUEST	
Sample I.D.		DATE TIME	
H233581 21 BH-7 (3) 22 BH-8 (3) 23 BH-8 (3) 24 BH-16 (2) 25 BH-1 (2) 26 BH-13 (2) 27 BH-13 (2) 28 BH-14 (3)		7/12/23 11:00 7/12/23 11:30 7/12/23 13:00 7/12/23 13:15 7/12/23 13:30 7/12/23 13:45 7/12/23 14:00 7/12/23 14:30	
(G)RAB OR (C)OMP.		# CONTAINERS	
GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		MATRIX	
ACID/BASE: ICE / COOL OTHER:		PRESERV	
DATE		SAMPLING	
TPH 8015 (GRO+DRO+ORO) Chlorides BTEX added 7/14/23		Add'l Phone #:	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
All Results are emailed. Please provide Email address:		REMARKS:	
Relinquished By: <i>Dean Rends</i> Date: 7-12-2023 Time: 1709		Received By: <i>[Signature]</i> Date: <i>[Signature]</i> Time:	
Delivered By: (Circle One) Sample - UPS - Bus - Other:		Observed Temp. °C: 21.4 Corrected Temp. °C:	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) Thermometer ID: 4146 Correction Factor: 0.00	

FORM-000-R-3-3 07/17/22

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 18, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/14/23 17:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 8 (3') (H233666-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/18/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	12.7	10.0	07/17/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 28 (3.5') (H233666-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/18/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 31 (3') (H233666-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 32 (3') (H233666-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 33 (3') (H233666-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 34 (3') (H233666-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 35 (3') (H233666-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	16.1	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 36 (2') (H233666-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 37 (3') (H233666-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 38 (2') (H233666-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 15 (2') (H233666-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	284	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	65.1	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 16 (2') (H233666-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 17 (2') (H233666-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	37.8	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 18 (2') (H233666-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	56.1	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	12.7	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 19 (2') (H233666-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 20 (2') (H233666-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	36.3	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 21 (2') (H233666-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 22 (3') (H233666-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 23 (3') (H233666-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435		
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 24 (3') (H233666-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 39 (2') (H233666-21)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 40 (2') (H233666-22)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 41 (3') (H233666-23)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 42 (3') (H233666-24)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 43 (3') (H233666-25)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 44 (3') (H233666-26)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 45 (2') (H233666-27)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 46 (2') (H233666-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTEX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 47 (3.5') (H233666-29)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 48 (2') (H233666-30)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 25 (3') (H233666-31)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 26 (3') (H233666-32)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 27 (3') (H233666-33)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 29 (2') (H233666-34)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200		
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/14/2023
Reported: 07/18/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: BH - 30 (3') (H233666-35)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Tetra Tech		P.O. #:		ANALYSIS REQUEST	
Project Manager: Brittany Long		Company: EOG Resources			
Address: 901 W. Wall St		Attn: Todd Wells			
City: Midland		Address:			
State: TX Zip: 79201		City:			
Phone #:		Address:			
Fax #:		City:			
Project #: 212C-MD-02958		State:			
Project Owner:		Zip:			
Project Name: Convoy CTB Release		Phone #:			
Project Location: Lea County, NM		Fax #:			
Sampler Name: Ivan Ramos					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H033666	BH-8 (3')		1			X					7/14/23	9:00	X	BTEX 8021B
	BH-28 (3.5')										9:15	9:30	X	TPH 8015 (GRO+DRO+ORO)
	BH-31 (3')										9:45	10:00	X	Chlorides
	BH-32 (3')										10:15	10:30		
	BH-33 (3')										10:45	11:00		
	BH-34 (3')										11:15			
	BH-35 (3')													
	BH-36 (2')													
	BH-37 (2')													
	BH-38 (2')													

Relinquished By: <i>[Signature]</i>	Date: 7-14-23	Received By: <i>[Signature]</i>	Date: 7-14-23
Relinquished By: <i>[Signature]</i>	Date: 7-14-23	Received By: <i>[Signature]</i>	Date: 7-14-23

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Rush <input checked="" type="checkbox"/>	Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C
					48 hrs		Corrected Temp. °C

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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #: Project #: 212C-MD-02958 Project Owner: Project Name: Convoy CTB Release Project Location: Lea County, NM Sampler Name: Ivan Ramos		BILL TO P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME		MATRIX PRESERV. SAMPLING TPH 8015 (GRO+DRO+ORO) BTEX 8021B Chlorides	
11 BH-15 (2') 12 BH-16 (2') 13 BH-17 (2') 14 BH-18 (2') 15 BH-19 (2') 16 BH-20 (2') 17 BH-21 (2') 18 BH-22 (3') 19 BH-23 (3') 20 BH-24 (3')		7/13/23 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 1:00 1:30	

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Relinquished By: <i>Ivan Ramos</i> Date: 7-14-23 Time: 17:05 Received By: <i>Shay Bonilla</i> Date: Time: Remarks:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:	
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.9 Corrected Temp. °C #140	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials)	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 Correction Factor 0°C	Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Sample Condition Observed Temp. °C Corrected Temp. °C
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #:		P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:	
Project #: 212C-MD-02958 Project Owner: Project Name: Convey CTB Release Project Location: Lea County, NM Sampler Name: Ivan Ramas		FOR LAB USE ONLY	
Lab I.D. HD336666	Sample I.D. BH-39(2) BH-40(2) BH-41(3) BH-42(3) BH-43(3) BH-44(3) BH-45(2) BH-46(2) BH-47(3) BH-48(2)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV. SAMPLING
Date: 9/14/23 Time: 17:25 Date: 9/14/23 Time: 11:30		DATE TIME	
Relinquished By: [Signature] Date: 9/14/23 Time: 17:25		Received By: [Signature] Date: 9/14/23 Time: 11:30	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 4.9 Corrected Temp. °C: #141D Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked BY: (Initials) DC	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 Correction Factor 0°C: 48me		Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C: Corrected Temp. °C:	
REMARKS:			
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #:		P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:	
Project #: 212C-MD-02958 Project Owner: Project Name: Conroy CTB Release Project Location: Lea County, NM Sampler Name: Ivan Ramos		FOR LAB USE ONLY	
Lab I.D. HD336464 3-1 3-2 3-3 3-4 3-5	Sample I.D. BH-25 (3) BH-26 (3) BH-27 (3) BH-29 (2) BH-30 (3)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX ACID/BASE: ICE / COOL OTHER:
		DATE 7/13/23	TIME 2:00 2:30 3:00 3:30 4:00
		BTEX 8021B TPH 8015 (GRO+DRO+ORO) Chlorides	
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Relinquished By: [Signature] Relinquished By: [Signature] Date: 7-14-23 Time: 11:25 AM Received By: [Signature] Date: Time:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Phone #: All Results are emailed. Please provide Email address: REMARKS:	ANALYSIS REQUEST	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.9 Corrected Temp. °C 4.9 Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: [Signature]	Turnaround Time: Thermometer ID #140 Correction Factor 0°C Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 24, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 15 (4.5') (H233803-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75		
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752		
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22		
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08		
Total BTEX	<0.300	0.300	07/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 22 (3.5') (H233803-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	67.9	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	11.3	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 42 (2.5') (H233803-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 43 (2.5') (H233803-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75		
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752		
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22		
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08		
Total BTEX	<0.300	0.300	07/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 48 (3') (H233803-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEx	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 15 (H233803-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	13.2	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 16 (H233803-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEx	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 17 (H233803-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75		
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752		
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22		
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08		
Total BTEX	<0.300	0.300	07/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 18 (H233803-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 19 (H233803-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	41.4	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 20 (H233803-11)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75		
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752		
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22		
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08		
Total BTEX	<0.300	0.300	07/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	192	96.2	200	5.03	
DRO >C10-C28*	43.7	10.0	07/22/2023	ND	213	106	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 07/20/2023
Reported: 07/24/2023
Project Name: CONVOY CTB RELEASE
Project Number: 212C-MD-02958
Project Location: EOG LEA COUNTY, NM

Sampling Date: 07/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 21 (H233803-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEx	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	192	96.2	200	5.03	
DRO >C10-C28*	169	10.0	07/22/2023	ND	213	106	200	3.85	
EXT DRO >C28-C36	40.5	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittain Long Address: 901 W. Wall St City: Midland State: TX zip: 79701 Phone #: Fax #: Project #: 22C-MD-02958 Project Owner: Project Name: Convoy CTB Release Project Location: Lea County, NM Sampler Name: Ivan Ramos							P.O. #: Company: EOG Resources Attn: Todd Wells Address: City: State: Zip: Phone #: Fax #:			BILL TO			ANALYSIS REQUEST		
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		DATE		TIME					
H233803		BH-15 (4,5')		X		GROUNDWATER		WASTEWATER		SOIL					
1		BH-22 (3.5')		X		OIL		SLUDGE		OTHER :					
2		BH-42 (2.5')		X		ACID/BASE:		ICE / COOL		OTHER :					
3		BH-43 (2.5')		X		DATE		TIME		TPH 8015 (GRO + MRO)					
4		BH-48 (3')		X		7/19/23		12:00		BTEx 8021B					
5		SW-15		X		12:30		1:15		chlorides 4500					
6		SW-16		X		1:30		2:00							
7		SW-17		X		3:00		3:15							
8		SW-18		X		3:30		3:45							
9		SW-19		X		4:00									
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Relinquished By:		Date: 7-20-23		Received By:		Time: 17:00		CHECKED BY: (Initials)		Turnaround Time:					
Ivan Ramos				Ivan Ramos				AP		Standard Rush 48hrs					
Relinquished By:		Date:		Received By:		Time:		CHECKED BY:		Thermometer ID #140					
										Correction Factor 0°C					
REMARKS:										All Results are emailed. Please provide Email address:					
Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:															
Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										Corrected Temp. °C					



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 27, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/26/23 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/26/2023	Sampling Date:	07/26/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 21 (H233920-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	3.96	
Toluene*	<0.050	0.050	07/27/2023	ND	2.07	103	2.00	4.25	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	3.80	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.00	100	6.00	5.20	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/27/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/27/2023	ND	197	98.6	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	203	102	200	0.479	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Testing Tech</u> Project Manager: <u>Brittany Long</u> Address: <u>901 W. Wall St</u> City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u> Phone #: Fax #: Project #: <u>212C-MD-02958</u> Project Owner: Project Name: <u>Convoy Central CTB Release</u> Project Location: <u>Lea County, NM</u> Sampler Name: <u>Ivan Ramos</u>		BILL TO P.O. #: Company: <u>EO6 Resources</u> Attn: <u>Todd Wells</u> Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. Sample I.D.		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		PRESERV. SAMPLING	
H033580 SW-21 1		1 X X		DATE TIME 7/26/23 10:30	
BTX 8021B TPH 8015 (GR0-0RA-MRO) Chlorides 4500					
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons, or otherwise.		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address:	
Relinquished By: <u>Shawn Ramos</u> Relinquished By: <u>Shawn Ramos</u> Date: <u>7-26-23</u> Time: <u>10:55</u> Received By: <u>Shawn Ramos</u> Date: <u>7-26-23</u> Time:		REMARKS:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>310</u> Observed Temp. °C: <u>31.0</u> Corrected Temp. °C: <u>31.0</u> Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No CHECKED BY: (Initials) <u>SR</u>		Turnaround Time: <u>Standard</u> <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 <u>24hrs</u> Correction Factor 0°C: <u>24hrs</u> Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: <u>24hrs</u> Corrected Temp. °C:		Turnaround Time: <u>Standard</u> <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 <u>24hrs</u> Correction Factor 0°C: <u>24hrs</u> Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: <u>24hrs</u> Corrected Temp. °C:	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



Appendix D

State Correspondence

Long, Brittany

From: Todd Wells <Todd_Wells@eogresources.com>
Sent: Monday, June 12, 2023 10:22 AM
To: Long, Brittany
Cc: James Kennedy
Subject: Fwd: EOG - Convoy Central CTB, Incident # nAPP2307047906

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Brittany,

See the email below from Nelson Velez with the OCD regarding the extension of time request for the Convoy CTB site. Please work on the requested information and documentation that we can submit to the OCD by the stated 6/20 deadline.

Thank you,

Todd

Sent from my iPhone

Begin forwarded message:

From: "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>
Date: June 12, 2023 at 10:06:53 AM CDT
To: Todd Wells <Todd_Wells@eogresources.com>
Subject: RE: EOG - Convoy Central CTB, Incident # nAPP2307047906

You don't often get email from nelson.velez@emnrd.nm.gov. [Learn why this is important](#)

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Good morning Todd,

Many of the site characterization/assessment (SC/A) data (Form C-141 page 3), such as determining depth to water, especially when OCD is only given an estimation, can be achieved administratively. Therefore, OCD will grant EOG Resources' (EOG) time extension request with an updated closure report deadline of 08/11/2023 under the conditions that the following information is provided with supporting documentation (19.15.29.11A) and all remedial activities to date be submitted by 06/20/2023 through the OCD Permitting application C-141 portal;

1. Provide as best as possible, the shallowest depth to groundwater beneath the area affected by the release
2. Provide information as to whether the release impacted groundwater or surface water
 - a. groundwater impact may be determined based on research findings and possibly interpreted as having a higher- than-average probability of occurring (e.g. – high volume release, high soil porosity, shallow groundwater).

3. Provide the lateral extents of the release if within 300 feet of a continuously flowing watercourse or any other significant watercourse
4. Provide the lateral extents of the release if within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)
5. Provide the lateral extents of the release if within 300 feet of an occupied permanent residence, school, hospital, institution, or church
6. Provide the lateral extents of the release if within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes
7. Provide the lateral extents of the release if within 1000 feet of any other fresh water well or spring
8. Provide the lateral extents of the release if within incorporated municipal boundaries or within a defined municipal fresh water well field
9. Provide the lateral extents of the release if within 300 feet of a wetland
10. Provide the lateral extents of the release if overlying a subsurface mine
11. Provide the lateral extents of the release if overlying an unstable area(s)
12. Provide the lateral extents of the release if within a 100-year floodplain
13. Provide information whether the release impact areas are not on an exploration, development, production, or storage site
14. Provide a scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells if applicable
15. Any field data collected
16. Data table of soil contaminant concentration, if any
17. Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
18. Photographs associated with the release that includes date/time and/or GIS information for the photographs collected
19. Topographic/Aerial maps showing the areal extent of the impacted area
20. Laboratory data including chain of custody if any sampling has been completed
21. 19.15.29 NMAC Table I closure standard determination
22. Remediation Plan per 19.15.29.12C NMAC.

If OCD has not received the required documentations or the final closure report by June 20, 2023, EOG will remain non-compliant with 19.15.29.11, 19.15.29.12, and 19.15.29.13 NMAC.

Upon receipt of the documentation, OCD reserved the right to request additional information if needed (19.15.29.11C NMAC).

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Thank you for your cooperation regarding this incident.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



Long, Brittany

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, June 15, 2023 10:12 AM
To: Long, Brittany
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] EOG Convoy Central CTB Confirmation Sampling Notification

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Brittany,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Long, Brittany <Brittany.Long@tetrattech.com>
Sent: Wednesday, June 14, 2023 1:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] EOG Convoy Central CTB Confirmation Sampling Notification

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To whom it may concern,

Tetra Tech is scheduled to collect 5 point confirmation, bottom hole and sidewall samples on the Convoy Central CTB (nAPP2307047906) remediation starting on Friday, June 16, 2023 at 1:15 PM. These samples will be placed within the remediation and will continue each day as the remediation progresses. Please let me know if you have any questions or need any additional information.

Best Regards,

Brittany D. Long,

Brittany D. Long | Biologist & Project Manager

Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946
Brittany.Long@tetrattech.com

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District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 279357

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 279357
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/6/2024